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MAR 24 1931



*Bulbs for Autumn Planting : 1928*

**STUMPP & WALTER CO.**

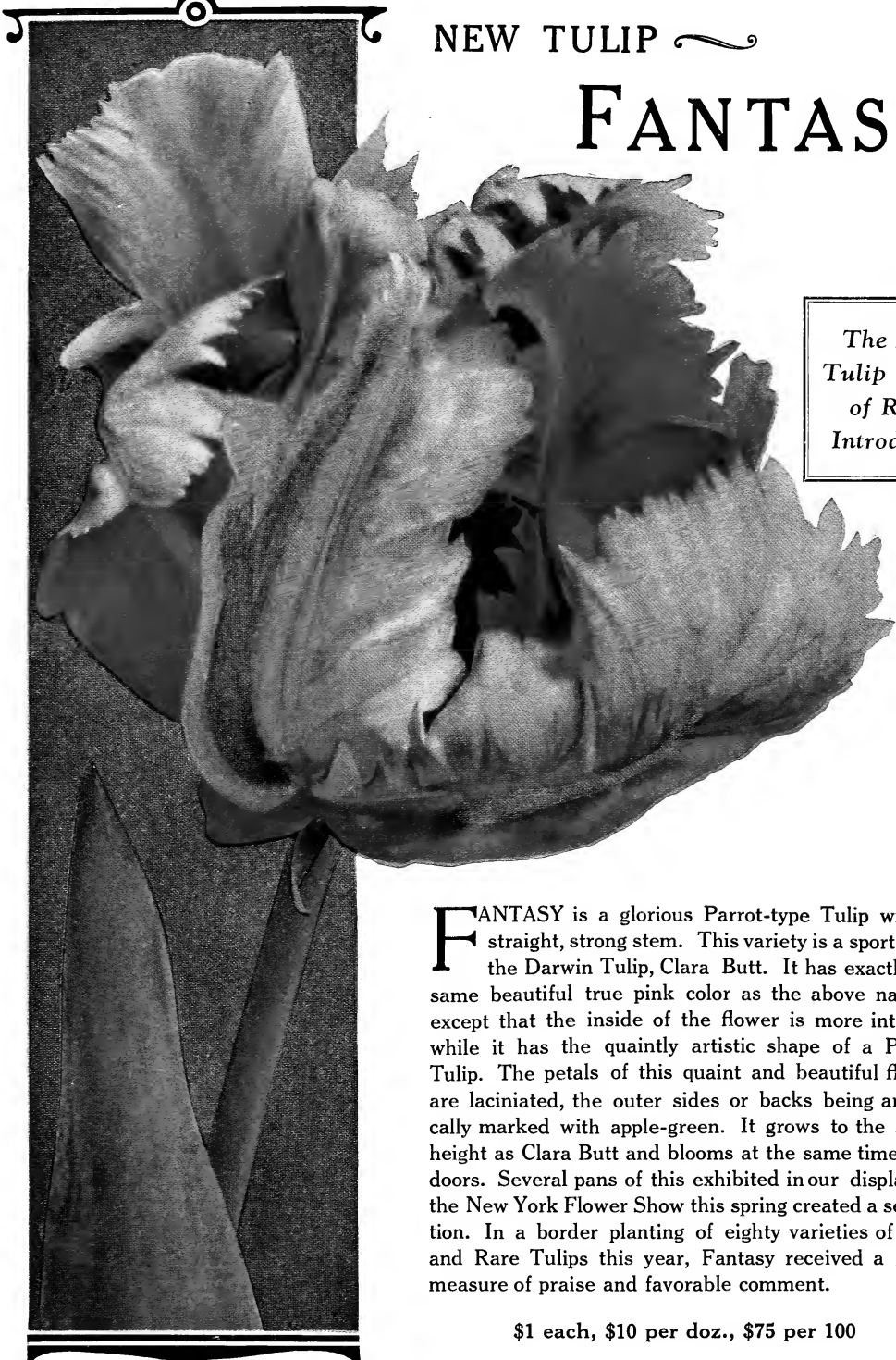
30 & 32 BARCLAY ST.,

NEW YORK

NEW TULIP ~

# FANTASY

*The Finest  
Tulip Novelty  
of Recent  
Introduction*



**F**ANTASY is a glorious Parrot-type Tulip with a straight, strong stem. This variety is a sport from the Darwin Tulip, Clara Butt. It has exactly the same beautiful true pink color as the above named, except that the inside of the flower is more intense, while it has the quaintly artistic shape of a Parrot Tulip. The petals of this quaint and beautiful flower are laciniated, the outer sides or backs being artistically marked with apple-green. It grows to the same height as Clara Butt and blooms at the same time outdoors. Several pans of this exhibited in our display at the New York Flower Show this spring created a sensation. In a border planting of eighty varieties of New and Rare Tulips this year, Fantasy received a great measure of praise and favorable comment.

\$1 each, \$10 per doz., \$75 per 100





Six million Daffodil blooms at our Mile-Front Daffodil Farm at Islip, L. I.

## From Grower to Planter

The above illustration is a photograph of our 30-acre farm of Daffodils at Islip, L. I. We have been growing Daffodils on Long Island for the past five years, and the results obtained from bulbs which we have sent out convinces us that the soil and climate is well suited to them there.

**Information about the Bulb Market.** We are pleased to be able to advise that, with the exception of Daffodil bulbs, there will be no advance in the prices of this catalogue as compared with our May 1 catalogue. We are glad to report that the crop permits of our maintaining the prices outlined in our earlier catalogue.

### TIME OF DELIVERY

Bulbs and roots mature and ripen during the late summer and autumn and shipments will be made as follows in the absence of instructions to the contrary.

**SEPTEMBER** includes *Lilium Harrisii*, *L. formosum*, *L. candidum*, Freesias, Paper-White and Grand Soleil d'Or Narcissi, and Bulbous Irises.

**OCTOBER OR MAIN SHIPMENT**, includes the general line of bulbs, such as Hyacinths, Tulips, Crocuses, Callas, and Miscellaneous Bulbs.

**NOVEMBER AND DECEMBER** include Liliums and Lilies-of-the-Valley. We endeavor to get all of these shipped by early December. We, however, frequently do not receive the three varieties of Japanese Lilies, as listed on pages 36 and 37, namely, *auratum*, *speciosum magnificum*, and *album*, from the Orient until the ground has become frozen in some parts of the country. These may be kept in a cool cellar and planted in the spring, or, if you so advise, we can ship these three items in the spring.

**Guarantees.** Our methods of handling bulbs practically preclude the possibility of stock proving unsatisfactory, and the percentage of complaints is really negligible. We guarantee all bulbs sent out to be true to name and of proper flowering age. It is, however, impracticable owing to contingencies of soil, climate, season, or faulty planting, to guarantee that all bulbs we send out will flower satisfactorily. We make complete trials of all the varieties we send out at our own trial-grounds and know, from extended experience, that all our bulbs flower satisfactorily if given just ordinary attention.

GEORGE G. STUMPP, *President*  
JULIAN H. WALTER, *Treasurer*  
THOMAS F. KEARNEY, *Asst. Treas.*  
WILLIAM A. SPERLING, *Secretary*

New York Telephones: CORTLANDT { 4830 4831  
4832 4833

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### TERMS OF PAYMENT

We do not send bulbs C. O. D. unless instructed by you, but ship your order when bulbs arrive, mailing invoices at the same time, and all bills are due in 30 days, net.

**WE FURNISH ALL BULBS, 6 of a variety, at the dozen rate; 25 of a variety at 100 rate; 250 of a variety at 1,000 rate.**

### SHIPPING INSTRUCTIONS

We ask for full shipping directions. State whether bulbs are to be shipped by parcel post or express, and by what route. In the absence of instructions we ship by whatever method and route we believe best.

### PLANNING THE GARDEN (Color Schemes)

In the past we have had many customers and friends who have asked us to help them plan their bulb-gardens. We will be very glad to make suggestions, if you will send us a rough sketch of your garden or borders. Please give planting areas when sending same.

*Stumpp & Walter Co*

30-32 Barclay and 40 Vesey Sts., New York City  
BRANCH STORES: Baltimore, Md., White Plains, N. Y., Newark, N. J.



A hardy border illustrating the use of Darwin Tulips. planted in clumps throughout

# GIANT DARWIN TULIPS, May-Flowering

For the herbaceous border, massed in clumps along the edge of shrubbery, or as cut-flowers for vases, these are conceded to be the superior of all the Tulips

The enthusiasm for the Darwin Tulip is not due to fad or popular fancy, but rather to an awakened sense of appreciation of their majestic beauty. The rich, bright colors of the blooms, their somber tones, their many pale and more lovely colors, produced on strong, gigantic stems from 2 to 3 feet, all vie with one another and capture even the casual observer of spring-flowering bulbs. Once grown, the amateur becomes interested and soon becomes a fancier with a hoard of varieties, excusably jealous of every one he or she grows.

For the borders among other hardy flowers, in formal gardens in conjunction with Single Early Tulips, for isolated groupings against a background of shrubs, or for combinations of delicate colors for effects of contrast in the flower-garden, the Darwins are without a peer.

They range in color from the daintiest pink, rose, salmon, red, etc., to deep, rich crimson; from lavender through mauve and light blue to violet-purple and the so-called "Black Tulip;" and we also offer one variety of yellow. For a complete list of yellow varieties we suggest selections be made from Cottage and Hybrid Tulips offered on pages 10 and 11. All buff and bronze shades frequently classed as Darwins are Breeders.

**CULTURE.**—Bulbs should be planted 5 to 6 inches deep and not less than 5 inches apart. Sand to the depth of 1/2 inch at the base of the bulbs will amply repay the trouble by the provision for drainage during wet weather. For forcing, bulbs should be planted as soon as received, and the flowers appear to better advantage if pots a trifle deeper than the ordinary bulb-pans are used. We recommend what are termed azalea-pots for this purpose. A temperature of 55 to 60 degrees is recommended, for if allowed to "come gently," larger flowers and longer stems may be had.

**Afterglow.** Deep, rosy orange, with salmon shading at edges of petals; inside deep orange with yellowish base. A sport of Baronne de la Tonnaye, which is of remarkable interest because it is the first instance of a Darwin sporting to the Breeder tones. A showy Tulip for outdoors. Height 26 inches. . . . . \$1 10 \$8 00 \$78 00

**Anton Mauve.** A splendid exhibition variety on account of its wonderful stately habit. The flower is of unusually large size, and an even tone of deep bluish lilac. Excellent for the border or for pots. Height 32 inches. . . . . 1 10 8 00 78 00

**Apple Blossom.** A very beautiful soft rose sport of the splendid scarlet variety Farncombe Sanders. Splendid for forcing or exhibition. A new Tulip and a very valuable addition, which should be grown in all good collections. Height 28 inches. . . . . 10 00 75 00

**Aphrodite.** Clear, silvery rose-pink with white base; a good-sized round flower of exquisite color on a very tall, stiff stem. Height 34 inches. . . . . 2 00 15 00

**Bartigon.** Fiery crimson with white base. Height 26 inches. . . . . 70 5 00 48 00

**Baronne de la Tonnaye.** A long and beautiful flower; clear carmine-rose at the midrib, base toning off to soft pink at the edges; white, tinged blue. Excellent for early March forcing and just as fine for outdoor beds, where it keeps up a splendid show for a long time. Height 26 inches. . . . . \$0 60 \$4 00 \$38 00

**Bleu Celeste.** A Tulip of wonderful size and shape; the color is a bright violet-purple, white base tinged blue. Height 30 inches. . . . . 4.00 30 00

**Carl Becker.** Pale rosy violet, with center flushed salmon-rose. Splendid Darwin for outdoors; equally good for forcing, but paler in color. Height 32 inches. . . . . 70 5 00 48 00

**Centenaire.** Rich violet-rose, with a large blue center; immense flower of perfect form. Magnificent for the border; excellent for forcing. Height 32 in. 70 5 00 48 00

**City of Haarlem.** Intense dark scarlet with darker bloom; large steel-blue base and white halo; wonderful cup-shaped flower, with petals incurving slightly at the tips. One of the finest brilliant red Darwins. Height 27 inches. . . . . 2 00 15 00

# Giant Darwin Tulips (May-Flowering), continued

**Clara Butt.** Beautiful clear salmon-pink. No other variety offered by us has the same distinctive and pleasing color. Height 22 inches.....\$0 60 \$4 00 \$38 00

**Dream.** Large flower, perfect in form, on a tall, strong stem; color rosy lilac and mauve, with claret-purple interior. Height 24 inches..... 60 4 00 38 00

**Duchess of Hohenberg.** Pale slaty lilac-mauve, with stripe of rosy heliotrope; inside pale lilac, with white base. Enormous, long flower on a tall, stiff stem. Height 29 inches. 2 00 15 00

**Eclipse.** A deep rich glowing blood-red. Large flower of fine form; the best of its color. Height 26 inches..... 2 00 15 00

**Edmee** (Beauty). A beautiful shade of cherry-rose with a lighter border. On the order of Baronne de la Tonnaye, but brighter in color. Height 25 inches..... 70 5 00 48 00

**Euterpe.** A beautiful shade of mauve, edged lilac, white center, with a blue halo. A very refined color when forced. Height 26 inches..... 70 5 00 48 00

**Farncombe Sanders.** A bright shade of scarlet, with a clear white base, contrasting well when the flower is fully open. A broad-petaled flower of large size. Fine for forcing or the border. Height 25 inches..... 70 5 00 48 00

**Faust.** Satiny purple, with blue base; very large flower of fine form; a splendid Tulip. Height 30 inches ....\$1 10 \$8 00 \$78 00

**Flamingo.** An even tone of pale shell-pink. A very exquisitely colored Darwin, of refined coloring and form. Height 28 inches. 1 00 7 00 68 00

**Frans Hals.** Splendidly formed, very large flower; bright bluish violet, base blue, with white halo. Height 28 inches. 1 20 9 00 88 00

**Giant.** A flower of enormous size and of wonderful substance; a deep reddish purple in color, shaded violet with a white base. Height 30 inches..... 1 30 10 00 98 00

**Glow.** The deepest shade of crimson-scarlet—a color of wonderful brilliance, not unlike that of the Oriental poppy. The flowers are of large size, borne on stems 20 inches long..... 70 5 00 48 00

**Gryphus.** Dark violet-purple, with a white base; a flower of splendid shape. A good border variety. Even more beautiful in color when forced. Height 26 inches. .... 1 20 9 00 88 00

**Joan of Arc** (Mary Eaton). A beautiful even tone of sunflower-yellow; base and anthers yellow. Long, rather loose but attractive flower. Height 25 inches.....\$3 each. 30 00

**Jubilee.** Blue-purple, with a white base, marked blue; a flower of large size and heavy substance. Height 29 inches..... 2 00 15 00

**King Harold.** Intense ruby-crimson, center rich black; very tall and of fine form; new and stately variety; very distinct. Height 24 inches..... 70 5 00 48 00

**King George V.** Glowing salmon-scarlet, shaded bright rose; inside brilliant orange-scarlet with blue base. A flower of intense color for outdoors. Height 25 inches.....\$2 00 \$15 00

**La Fiancee.** Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size, and very effective when planted with mauve and dark lavender sorts. Height 30 inches. .... 2 00 15 00

**La Tristesse.** Deep slaty blue, with white base, very distinct in color; medium-sized flower. Height 26 inches..... 70 5 00 \$48 00

**La Tulipe Noire** (The Black Tulip). The nearest in color to the so-called "Black Tulip." Deep maroon-black, which has a velvety sheen in the sunlight. Height 25 inches..... 1 00 7 00 68 00

**Le Notre.** Beautiful shade of bright pink, blue base starred white. Used for exhibition purposes on account of the very large size of the flower and its strong stem. Height 26 inches..... 70 5 00 48 00

**Louise de la Valliere.** Brilliant cherry-rose with pale blue base starred white. A very clear and beautiful color. Height 24 inches. 2 00 15 00



A Dutch Bulb-Garden—Darwin Tulips, one variety to each of the various and pleasingly shaped beds



In this well-planned garden, May-Flowering Tulips add a delightful touch of color

## Giant Darwin Tulips (May-Flowering), continued

**Madame Krelage.** Bright rosy lilac, with a pale silvery margin. A good forcing variety and excellent for the border as well. Height 28 inches.....\$0 70 \$5 00 \$48 00

**Marconi.** Deep purple when the flower first opens, gradually changing to ashy purple as the flower ages; pure white base. Height 27 inches . . . . . 85 6 00 58 00

**Margaret.** Pale rose ground, faintly flushed white, center white, marked blue—a very delicate color; flower globular in shape, borne on a strong stem. Splendid for forcing. Height 22 inches.... 50 4 00 38 00

**Massachusetts.** A long and beautiful flower; clear carmine-rose at the midrib, toning off to soft pink at the edges, the inside of the white base delicately tinged blue. Height 26 inches..... 70 5 00 48 00

**Massenet.** An exquisite shade of pale rose, with a broad margin of creamy white; base bright blue. A grand acquisition to any collection however rare. Height 30 inches..... I 20 9 00 88 00

**Matchless** (Roi d'Islande). Soft old-rose, with a narrow white border; inside soft violet-rose with a blue base. A very beautiful soft color and a splendid forcer. Height 26 inches . . . . . I 20 9 00 88 00

**Mauve Clair.** Soft lilac-mauve, slightly paler at the edges of petals; inside lilac-mauve, with white base. Height 26 inches..... 85 6 00 58 00

**Melicette.** A beautiful pure lavender, shading to paler lavender at the edges, with a beautiful blue base; quite the purest lavender Darwin. A flower of large size. Height 26 inches. . . . . 85 6 00 58 00

**Mrs. Potter Palmer.** Bright purplish violet, base white; a large flower. Very attractive for border planting. Height 28 inches..... 60 4 00 38 00

**Mystery.** An unusual flower of a deep shiny black color, base blue. A variety used for exhibition purposes on account of its size. Height 30 inches.....\$3 50 \$25 00

**Nauticas.** Dark rose, center clear violet, shaded bronze; large flower. Excellent for outdoors and good for early or late forcing. Height 30 inches..... 70 5 00 \$48 00

**Painted Lady.** A pale creamy white, with a faint tinge of heliotrope, gradually becoming almost pure white as the flower ages. Height 27 inches. 70 5 00 48 00

**Petrus Hondius.** Bright carmine-rose, with a dull blue base starred white. An unusually brilliant variety. Height 28 inches..... 85 6 00 58 00

**Philippe de Comines.** A grand flower of dark, polished mahogany color, with a purple base. One of the best of the less expensive sorts in this color. Height 24 inches..... 70 5 00 48 00

**President Harding.** A new variety which has proved very fine for exhibition work. The large, deep purple flower shaded violet, is borne on tall, strong stems, and is of unusual substance. Height 32 inches..... 3 50 25 00

**Pride of Haarlem.** Magnificently formed flower of immense size, brilliant, deep rose, shaded scarlet, with light blue base. This variety, perhaps the most widely known for its stately habit and glorious color, is unsurpassed for border planting. Height 36 inches..... 60 4 00 38 00

**Prince of the Netherlands.** Lively shade of cerise-scarlet, edged rose, with a blue base. Height 31 inches . . . . . 85 6 00 58 00

**Princess Elizabeth** (Julie Vinot). Beautiful clear deep pink, changing with age to rose-pink; white base. Large flower, quite like a rose when first open. Height 26 inches..... 70 5 00 48 00



# Giant Darwin Tulips (May-Flowering), continued

<b>Princess Mary.</b> Bright carmine-rose with margin of rose-pink; inside clear carmine-rose with blue base and white halo; huge flower on a splendid stem. One of the finest of the new Darwins. Height 28 inches ....75 cts. each..	Doz.	100	1,000
<b>Professor Rauwenhoff.</b> Bright cherry-red, beautiful blue base; very large flower of wonderful substance. Height 24 inches ...	70	5 00	\$48 00
<b>Psyche.</b> Old-rose, edged white, inside lighter rose, base blue. A very lovely variety for pots. Height 26 inches .	70	5 00	48 00
<b>Pulcinella.</b> A new tone of dark salmon-orange in the Darwin Tulips. A very attractive variety when grown in pots for exhibition on account of its fine strong stem and large flower of an attractive color. Height 32 inches.....	2 00	15 00	
<b>Purple Perfection.</b> The color of the flower is a bright, glossy purple, large in size, and of wonderful substance. A splendid variety in the border, grows to the height of 26 inches. ....	70	5 00	48 00
<b>Raphael.</b> Deep maroon-purple of rich tone, with blue base starred white. Very tall, large flower. The best reddish purple. Height 30 inches.....	1 20	9 00	88 00
<b>Remembrance.</b> Pale lilac, general tone of the flower silvery. Quite distinct; large flower. Height 25 in..	1 00	7 00	68 00
<b>Reverend Ewbank.</b> An exquisite shade of soft lavender-violet, slightly shaded silver-gray. A variety of great merit on account of its lovely color, borne on stems 23 inches long .....	60	4 00	38 00
<b>Ronald Gunn.</b> Bright shade of violet, edged pale lavender, with a conspicuous white base. A flower of splendid shape and even more exquisite when grown in pots. Height 26 inches ....	85	6 00	58 00
<b>Sir Trevor Lawrence.</b> Violet-maroon, with flush of ashy purple; inside violet-maroon with white base; very large, cup-shaped flower, on tall stem. Height 33 inches....	1 10	9 00	88 00
<b>Sophrosyne.</b> Soft rosy lilac, edged silvery white; inside deep rose, with striking dull blue base. A large flower of very delicate beauty. Height 29 inches.....	70	5 00	48 00
<b>Suzon.</b> Center of petals buff-rose, shading to blush at the margin, with white base, delicately marked blue. A strong grower of fine stately habit. Height 25 in.	70	5 00	48 00
<b>Spring Beauty.</b> Clear scarlet, with blue-black base and white star; large flower of most refined form, and the handsomest of all scarlet-red Tulips. Height 23 inches .....	85	6 00	58 00
<b>The Bishop.</b> Soft bluish violet, with ashy bloom; inside paler, with white base; a long flower of very artistic color. Height 28 inches . . . . .	3 50	25 00	
<b>Valentin.</b> A magnificent, large, shapely Darwin Tulip. Light violet with a blue base. Height 22 inches.....	1 00	7 00	68 00
<b>Venus.</b> A splendid exhibition variety—the finest of its color. Pure, even tone of silvery rose, white base, marked with a pale blue ring. Height 28 in.. .50c. each..	5 00	40 00	
<b>Village Maid.</b> Soft rose with whitish base. Has a very large flower on a tall stem. Height 30 inches....	1 50	12 00	
<b>Whistler.</b> A variety much admired on account of its bright, transparent color—a bright shade of ruby-scarlet. Height 26 inches.....	70	5 00	48 00

<b>White Perfection</b> (Helena Eaking). Another pure white Darwin Tulip, differing from Zwanenburg in our list in that the flower is larger. The shape of the flower greatly resembles the variety Farncombe Sanders, of which it is a seedling. We predict large demand for this splendid variety, as soon as large stocks are available and prices can be reduced. Height 29 inches.....	Doz.	100	1,000
<b>White Queen.</b> A splendid white variety; when first opening is pale rose but quickly turns white—a truly exquisite color. Height 24 inches .....	70	\$5 00	\$48 00
<b>William Copeland.</b> Uniform lilac-rose. A variety that was greatly admired in our exhibit of bulbs grown in pots at the New York Flower Show this year. May be forced as early and as easily as the early Tulips. The color, when grown indoors, becomes a most beautiful lavender. Height 24 inches .....	70	5 00	48 00
<b>William Pitt.</b> Very dark crimson, with purplish bloom on the outer petals. Of great size and beauty. Height 24 inches .....	70	5 00	48 00
<b>Zulu.</b> Deep, velvety purple-black; large, egg-shaped flower of very distinct form. Fine for border or forcing. Height 27 inches .. .	70	5 00	48 00
<b>Zwanenburg.</b> This variety, which first appeared in a specialist culture, was noted by us in 1913 when there existed six bulbs. It is the first example of a pure white Darwin. Still high in price on account of its scarcity. Height 28 inches....	5 00	40 00	



A border planted in clumps so that the colors may be studied

**Superb Prize Mixture.** The wonderful interest in these splendid Tulips has brought out a great many varieties too numerous for listing, except those considered the best. In addition to some of the varieties listed above, our mixture contains an equal proportion of many others. Brilliant effects may be obtained by the planting of this mixture of choice named sorts. 60 cts. per doz., \$4 per 100, \$35 per 1,000.



## DUTCH BREEDER TULIPS, May-Flowering

Breeder Tulips are very similar in habit to the Darwins, and flower at the same time. Their chief characteristic is their immense blooms, borne on strong, stiff stems, many of them longer than the most gigantic Darwins. The revival of the taste for art colors has made these Tulips, at one time very popular in England, strong favorites with American enthusiasts, who find in their bronze, buff, and brown shades excellent material for contrasting with the light and bright colors of the Darwins. They require the same cultural treatment as the Darwins.

**Abd-el-Kader.** Dull bronze-yellow, shading to light bronze at edge of petals; inside bronze-brown, with olive-green base; good-sized flower. Height 6 inches. **\$1.50 per doz., \$12 per 100.**

**Apricot.** Dull, bronzy buff, shaded deep apricot, base olive-green. A splendid border variety, frequently having an extra number of petals. Height 5 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**Bacchus.** Dark violet-blue, the outside of the petals having a darker bloom, base starred white. Quite the nearest approach to dark blue in late Tulips. Still high in price on account of scarcity. Height 8 inches. **\$2 per doz., \$12 per 100.**

**Bronze Queen.** Soft golden bronze; large flower of sturdy habit. A very exquisite color when forced and splendid for the border. Height 8 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Cardinal Manning.** A splendid shade of rosy violet, with a slight edge of bronze. Large-sized flower of fine form. Height 28 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Cherbourg.** This is, undoubtedly, one of the finest Breeder Tulips ever introduced. We are able to offer only a limited quantity of it. Its color is best described as a deep tone of golden yellow, with a suffusion of terra-cotta, the deeper tone of yellow growing stronger toward the edges of the petals. The flower is much admired on account of its gigantic size and beautiful color. Height 32 inches. **\$2.50 each, \$25 per doz., \$200 per 100.**

**Coridion.** Clear yellow, with a faint suffusion of lilac; a flower of very dainty color. Fine for shrubbery borders. Height 24 inches. **\$2 per doz., \$15 per 100.**

**Dom Pedro.** Coffee-brown, shaded maroon, inside rich mahogany; large flower; very fragrant. Height 21 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Dryad.** Lilac-old-rose, margined bronzy yellow, shading to buff with age; broader margin inside with bright apple-green base. A very beautiful Breeder of which we have only a few bulbs to offer. Height 22 inches. **\$2 per doz., \$15 per 100.**

**Fairy.** Reddish mahogany, with bronze shading; an extra-large flower of artistic character. Splendid in borders or for late forcing. Height 24 inches. **\$1.10 per doz., \$8 per 100, \$78 per 1,000.**

**Garibaldi.** One of the finest Breeders as yet introduced. Pale lilac-bronze, with a broad primrose-yellow margin. A long and graceful flower. Height 31 inches. **\$6.50 per doz., \$50 per 100.**

**Godet Parfait.** Dark blue-purple, with white base and blue halo; very large flower of striking color. One of the best Breeders for the border. Height 30 inches. **\$2 per doz., \$12 per 100.**

**Golden Bronze.** Light brownish yellow, with flush of heliotrope; inside rich mahogany-brown, rich yellow base. A large, well-formed flower of attractive appearance. Height 26 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

**Goldfinch.** Elegantly formed, large, pointed flower. Rich golden chestnut, inside deep mahogany-brown, yellow base, marked olive. Height 30 inches. **\$2 per doz., \$15 per 100.**

**Heloise.** A beautiful shade of dark brown, shaded old-rose; yellow base, marked olive-green. Large-sized flower of wonderful color and very prettily reflexed petals. Height 28 inches. **\$2 per doz., \$15 per 100.**

**Indian Chief.** Reddish mahogany flushed purple, edged warm brown with age; yellow base. A huge flower of wonderful substance and most artistic shape, carried on a very tall stem. Height 33 inches. **\$1.25 each, \$13 per doz., \$100 per 100.**

# Dutch Breeder Tulips (May-Flowering), continued

**Jaune d'Oeuf.** Ruddy apricot, inside soft yellow, with black base and anthers; very striking variety. Height 21 inches. **\$1.10 per doz., \$8 per 100, \$78 per 1,000.**

**James Watt.** A new Breeder of exquisite form and coloring. Deep slaty violet, flushed bronze; inside dark mahogany, shaded brown, fine green base starred white. Height 26 inches. **\$2 per doz., \$15 per 100.**

**La Turquoise.** An excellent Breeder when grown indoors. Bright brick-red, with broad edge of deep yellow. Large flowers on strong stems of great substance. Height 28 inches. **\$2 per doz., \$15 per 100.**

**Le Mogol.** Pale lavender-mauve, flushed white; inside deep mauve-lilac, with beautiful white base and blue halo. A flower of medium size but of exquisite color. Height 26 inches. **\$1.10 per doz., \$8 per 100, \$78 per 1,000.**

**Lord Cochrane.** Dark brown, with narrow margin of bright bronze-yellow; inside warm brown with yellow base. Striking because of the clear shade of yellow on the margin. Height 28 inches. **\$1.50 per doz., \$12 per 100.**

**Louis XIV.** An even tone of dark purple, with a broad margin of golden bronze; a very large flower of wonderful substance; green-black base starred yellow. A very fine variety and one that instantly meets with favor when grown. Height 30 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Lucifer.** Clear orange, with a rosy flush and olive base, with yellow star; very large flower on a tall stem. A gorgeous color which glows like a fire. Height 24 inches. **\$2.50 per doz., \$20 per 100.**

**Madame Lethierry.** Dark crushed strawberry, edged and flushed salmon—a unique color; medium size, a very distinct form, and a variety of great beauty when grown in partial shade. Height 26 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Madras.** Golden bronze, with dull heliotrope stripe on the outer petals, yellow base starred green. A long, good-sized flower. Rather tall, stately habit. Height 26 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**Marechal Victor.** Pale lavender-violet, with broad edge of buff shaded bronze; inside violet, faintly flushed mahogany with beautiful green base—a wonderful color combination which we have seen in no other Tulip. A large flower of open, graceful form. Tall and holds the bloom well poised. Height 28 inches. **\$4.50 per doz., \$35 per 100.**

**Marie Louise.** Old-rose, flushed orange-salmon, with purplish bloom and olive base. A very beautiful Tulip for border planting and one of the most richly colored. Height 23 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

## Dutch Breeder Mixture.

A choice mixture of many varieties of this type of Tulip. Magnificent combinations of colors and shades from beautifully flushed white to deep wine-red, art bronze and darkest maroon. 75c. per doz., \$5 per 100, \$45 per 1,000.

**Newton.** Dark purple, with plum bloom on outer petals. A flower of the same tone as Darwin Jubilee, but not so large. One of the tallest Tulips. Height 35 inches. **90 cts. each, \$9 per doz., \$70 per 100.**

**Old Times.** Dull garnet, edged primrose-yellow, with greenish base; rather long flower of somewhat pointed form. A showy Breeder of English origin. Height 24 inches. **\$1.20 per doz., \$9 per 100, \$88 per 1,000.**

**Pink Pearl.** A new Breeder and quite the finest of its color. The outside of the flower is a lilac-pink, inside rose, beautiful white base. A magnificent, large, egg-shaped flower. Height 26 inches. **\$3.50 per doz., \$25 per 100.**

**Plutarchus.** Bronzy yellow, with a flush of heliotrope in the center of the petals; a flower of wonderful substance and splendid form. Height 26 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**Prince of Orange.** Dark terra-cotta-brown, shaded yellow, with a yellow base starred black. Splendid for the border and good for forcing. Height 24 inches. **\$1.50 per doz., \$12 per 100.**

**Prince Albert.** Golden brown, with purple flush through center of petals, which disappears as the flower ages. Height 32 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Prince of Wales.** Warm maroon-brown; inside coppery brown, with black base, starred yellow. Long flower of flat, open form, fine for planting with paler bronze Breeders. Height 28 inches. **\$1.50 per doz., \$12 per 100.**

**Queen Alexandra.** Canary-yellow, broadly flushed lilac-brown at the edges of the petals. A distinct variety for outdoors or forcing. Height 23 inches. **85 cts. per doz., \$6 per 100, \$58 per 1,000.**

**Roi Soleil.** This new Breeder Tulip is a combination of shades—rich dark violet, flamed with bronze. A large flower borne on strong stems. Height 28 inches. **\$2 per doz., \$15 per 100.**

**Salomon.** Silvery lilac, flushed buff when opening, inside slightly deeper tone, with large, white base; very long, loosely formed flower, carried on a graceful stem. Height 30 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Socrates.** Deep rosy violet, with dull blue base; large flower of stately habit, often having an extra number of petals. Height 28 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**St. James.** Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany, edged golden brown with yellow and green base. A large flower on tall stem. Height 28 inches. **\$1.10 per doz., \$8 per 100, \$78 per 1,000.**

**Turenne.** Purplish brown, with a broad margin of soft yellow, very large flower and on account of its unique coloring very attractive for group planting. Height 28 inches. **\$1.20 per doz., \$9 per 100, \$88 per 1,000.**

**Velvet King.** Deep, glossy purple-maroon, with a white base; a flower of gigantic size, lasting a long time in bloom. A magnificent Tulip for the border or shrubbery and forms an effective contrast when planted with the light-colored Tulips. Height 28 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Vulcain.** Reddish apricot, with a broad margin of bright buff-yellow, inside dark apricot, edged yellow, with dark green base starred yellow. A beautifully shaped flower and in color unlike any other Tulip. Height 25 inches. **\$1.50 per doz., \$12 per 100.**

Plant  
a  
Few  
Dutch  
Breeder  
Tulips  
This  
Year



# COTTAGE AND HYBRID TULIPS

## MAY-FLOWERING

The Cottage Tulips, like the Darwins, flower late. Many of the varieties are used extensively for late bedding and are magnificent for this purpose. The pale primrose, deep yellow, and splendid white varieties are often planted with the Darwins for effects of contrast. The following list we feel sure contains most of the best varieties. Certain varieties, like some of the Darwins, will flower a few days earlier than others, but on the whole the earliest is just at its best when the latest-flowering variety is just beginning to show bloom. We have included many of the finest of the new late-flowering Hybrid Tulips. They are the results of crossing the Darwin with Cottage Tulips, and bloom at the same time as the other May-flowering varieties.

**Argo.** A very beautiful new hybrid variety on account of its distinct and lovely color. The flowers are round, borne on strong stems, golden yellow, mottled red and passing off to a reddish brown. Delicate bronze-salmon when grown indoors. Height 22 inches. **\$2 per doz., \$12 per 100.**



Cottage Tulip, Barbara Pratt

**Alcmene.** A hybrid Tulip with Darwin-shaped petals. This new variety is of great beauty, best described as a rich, glowing rose, with creamy white base, having a pale blue border. Height 25 inches. **\$2 per doz., \$15 per 100.**

**Ambrosia.** This beautiful new variety of Hybrid Tulip contains a combination of shades—bronze with rosy lilac glow; inside of the large, well-shaped flower is a salmon-orange tone. Height 28 inches. **\$2 per doz., \$15 per 100.**

**Arethusa.** The large, urn-shaped flower is of true Cottage form, of a light shade of chrome-yellow. A new variety greatly admired on account of its size, lovely form, and fine, erect stem. Height 25 inches. **\$6 per doz., \$40 per 100.**

**Avis Kennicott.** A rich, deep shade of yellow, with a striking black base and anthers. One of the best of the newer varieties. Height 25 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**Barbara Pratt.** Rich light cochineal-carmine, edges lilac-rose, with narrow green edge; anthers yellow. A very beautiful Tulip with slightly reflexed petals. Highly recommended for exhibition. In a test of over one hundred varieties of New and Rare Tulips in the writer's garden this spring, this variety was very frequently commented on. We consider it one of the finest Tulips of recent introduction. Height 36 inches. **\$2 each, \$20 per doz.**

**Carrara.** This Tulip, when first exhibited, in 1921, was considered the finest new white variety. Blooms broadly cup-shaped with rounded petals that all come to the same level when the flower is half open. Height 26 inches. **\$3.50 per doz., \$25 per 100.**

**Dido.** A large, well-formed flower of rich orange-rose tone, with margin of bright orange-yellow, inside bright orange with yellow base. Height 30 inches. **\$3.50 per doz., \$25 per 100.**

**Eleanora Pratt.** White petals with violet-rose margin, base and anthers yellow; petals slightly reflexed. A very attractive flower of refined color and excellent form. Height 31 inches. **\$2.50 per doz., \$20 per 100.**

**Fairy Queen.** Beautiful soft rosy lilac, outer petals broadly margined amber-yellow. A variety that should be included in every collection on account of its unique color. Height 20 inches. **60 cts. per doz., \$4 per 100, \$38 per 1,000.**

**Flava.** Canary-yellow, large, exquisitely formed flower with magnificent lasting qualities. Height 25 inches. **\$3 per doz., \$20 per 100.**

**Gesneriana ixioides.** Soft primrose-yellow, with black base; egg-shaped flower of medium size, attractive for the contrast between the base and the rest of the flower. Height 22 in. **85 cts. per doz., \$6 per 100, \$58 per 1,000.**

**Gesneriana lutea.** One of the best of the well-known Gesneriana family. A bedder of unsurpassed qualities, with perfect-shaped flowers of purest golden yellow, on strong stems holding the flowers perfectly erect. Height 24 inches. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Gesneriana spathulata or major.** The beautiful curved flowers are brilliant scarlet, with a bluish black center, on tall stems. Height 18 inches. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Grenadier.** Brilliant orange-red. A new Tulip of great beauty. Flowers long, borne on very graceful stems. Height, 24 inches. **85 cts. per doz., \$6 per 100, \$58 per 1,000.**

**Hammer Hales.** Golden brown, flushed old-rose; inside bright apricot, edged bronze-yellow, with a yellow base. Height 24 inches. **\$1.20 per doz., \$9 per 100, \$88 per 1,000.**

**Inglescombe Pink (Salmon Queen).** Beautiful soft rosy pink, slightly flushed salmon; large, globular flower of excellent form. Adapted for borders or late forcing. Height 22 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**



# Cottage and Hybrid Tulips (May-Flowering), continued

**Inglescombe Yellow.** A beautiful variety. Size, form and height greatly resemble the Darwins, so much so that it is frequently called the "Yellow Darwin," a fitting title. Height 22 inches. **70c. per doz., \$5 per 100, \$48 per 1,000.**

**John Ruskin.** Salmon-rose, edged soft lemon-yellow, inside deep rosy lilac—a beautiful combination of colors; large flower of fine shape on a graceful stem. Height 16 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**Kingfisher.** Creamy yellow ground, turning whiter with age, irregularly striped and feathered maroon and violet; blue-green base; large flower on sturdy stem; unusual colors. Height 18 inches. **\$3.50 per doz., \$25 per 100.**

**La Merveille.** Very large, sweet-scented flowers, salmon-rose, overlaid with orange-red. A grand border variety. Height 20 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Leda.** A very lovely variety, best described as rosy red outside, peach-blossom inside, with splendid light blue and white base. The flowers are large, of excellent form, and are borne on strong stems, held well erect for the size of the flower. Height 25 inches. **\$10 per doz., \$80 per 100.**

**Lord Carnarvon.** A flower with a well-defined margin of clear pink along its fine, well-shaped petals. A true long urn-shaped flower that is instantly admired. Splendid for exhibition. Height 24 inches. **\$2.50 per doz., \$20 per 100.**

**Luna.** This Tulip is well named. The flowers are an even tone of primrose-yellow, passing to deep yellow base with green edge. The color is greatly enhanced by the black anthers. Height 32 inches. **\$2 per doz., \$15 per 100.**

**Miss Willmott.** A pale primrose-yellow of true Cottage form. In good demand on account of its delicate color. Height 18 inches. **85 cts. per doz., \$6 per 100, \$58 per 1,000.**

**Monsieur Mottet.** (Bunch-flowered.) White, faintly flushed shell-pink as the flower ages. Round bloom with rather pointed petals. This very interesting Tulip is of branching habit, giving six or more flowers from a single stem. Height 24 inches. **\$1.20 per doz., \$9 per 100, \$88 per 1,000.**

**Montaigne.** Richest buttercup-yellow, base slightly tinged brown. A flower of most unusual shape, the lower part being very large and almost globular with the top part sharply pointed. Height 28 inches. **\$7.50 per doz., \$60 per 100.**

**Moonlight.** Bright canary-yellow; splendid, large flower, oval in shape, outer petals slightly reflexed at the tips. An excellent yellow for combination with the Darwin varieties. Height 22 inches. **85 cts. per doz., \$6 per 100, \$58 per 1,000.**

**Mrs. Kerrell.** Beautiful light rose with a delicate amber tinge, center white, bordered electric blue. A new variety of very refined coloring and shape and destined to win a place for itself among discriminating flower-lovers. Height 18 inches. **\$1.30 per doz., \$10 per 100.**

**Mrs. Moon** (*Fulgens lutea maxima*). Deep golden yellow; large flowers of good substance, slightly reflexing. Height 24 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

**Mrs. Harold Irving Pratt.** A Tulip of large size, with well-rounded cup and outer petals slightly reflexing. The color can best be described as a combination of rose and amber, with margin of saffron yellow at the edge of the petals—a rare combination which is greatly enhanced by the black anthers. Height 30 inches. **\$10 each, \$100 per doz.**

**Natalie May.** Sulphur-white, with some hardly noticeable crimson spots; base white; anthers black. Very tall and graceful. A fine exhibition Tulip. Height 32 inches. **\$7.50 per doz., \$60 per 100.**

**Orange King.** Beautiful deep orange, shaded rose, inside deep orange-scarlet with a yellow center. Height 23 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Pride of Inglescombe.** White, broadly edged deep crimson-rose; white base, shaded blue. A long and excellently shaped flower, somewhat like Picotee but brighter in color. Very attractive when planted in masses. Height 25 inches. **\$1.30 per doz., \$10 per 100.**

**Quaintness.** Old-gold, flushed deep rose; inside old-gold, shaded mahogany. Immense flower with very long petals. Height 24 inches. **\$3.50 per doz., \$25 per 100.**

**Rosabella.** This beautiful novelty—the finest introduction in Cottage Tulips of recent years—is, perhaps, best described as a beautiful shade of salmon-rose. Height 21 inches. **\$4 per doz., \$30 per 100.**

**Scarlet Emperor.** Where a glowing shade of scarlet is desired, this is one of the finest of its color. Height 22 inches. **\$1.20 per doz., \$9 per 100, \$88 per 1,000.**

**The Fawn.** The coloring is a unique shade of pale rosy fawn, changing to blush-rose. Height 20 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Themis.** A lovely hybrid Tulip, the result of crossing a Darwin and Cottage Tulip. It is of characteristic Darwin shape, with somewhat reflexing petals, and a beautiful pure white throughout, with fine strong stem. This and Carrara are two of the finest white hybrid Tulips. Height 28 inches. **\$5 per doz., \$40 per 100.**

**The Lizard.** Deep blood-red, with purple bloom, striped and feathered yellow and white. A Tulip of most unusual markings. Height 24 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**Twilight.** Dull violet-mauve, edged warm brown, irregularly striped and flamed dark violet; white base with blue halo, and striking white midrib; long, good-sized flower. Height 23 inches. **\$2 per doz., \$15 per 100.**

**Vitellina.** Pale yellow, becoming creamy white as the flower ages; large flower of great substance and beauty; sweet-scented. Excellent forcer. Height 20 inches. **70 cts. per doz., \$5 per 100, \$48 per 1,000.**

**Walter T. Ware.** Deep golden yellow, the deepest and richest color among Late Tulips; broad, globular flowers reflexing at the top. Height 18 inches. **\$4 per doz., \$30 per 100.**

**Zommerschoon.** One of the oldest of Cottage Tulips—a combination of ivory and carmine. Height 20 inches. **\$4.50 per doz., \$35 per 100.**

**Superb Mixture.** A select assortment, covering almost every conceivable color and shade. Those who have not grown these Tulips, and desire a mixture for trial purposes, can depend on getting every color that obtains in this beautiful class of Tulips. 50 cts. per doz., \$4 per 100, \$35 per 1,000.



Cottage Tulip, Miss Willmott



Botanical Tulip, Greigi

## BOTANICAL TULIPS AND SPECIES

We offer below a list of the Botanical Tulips as well as species varieties of Tulips which are natives of Asia Minor and Central Asia. The varieties offered, with the exception of Clusiana, are grown in Holland from collected stocks. We advise our patrons to make a trial of some of these Tulips.

**CLUSIANA.** The "Little Lady" Tulip. A lovely little variety which originated in Asia Minor. Grows about 8 inches high, flowers as large as a crocus. Outer petals cherry-red, inner petals white with violet base. Should be planted 8 to 9 inches deep in light soils in a sheltered place. Excellent bulb for the rock-garden. We have exhibited pots of this lovely Tulip at the New York Spring Flower Show every year for the past ten years and it is always greatly admired. Bulbs are grown for us by a specialist in the south of France and are excellent for pot-culture as well as for the rock-garden. For indoors plant same as recommended for other Tulips. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

**EICHLERI.** This splendid Tulip from Turkestan produces large crimson-scarlet flowers with a glistening black center marked with gold. Height 12 inches. **\$2.50 per doz., \$20 per 100.**

**FLORENTINA ODORATA.** Fragrant, rich yellow flowers, frequently two to a stem, with bronze interior, carried on slender stems. An interesting species. Height 18 inches. **\$1.30 per doz., \$10 per 100, \$98 per 1,000.**

**GREIGI.** Flowers very large, brilliant orange-scarlet, with yellow and black center. The curious feature of this Tulip is that the foliage is of a very distinct character, being spotted maroon. Requires a rather dry situation where good drainage prevails. Blooms late in April or early in May. Height 10 inches. **\$4 per doz., \$30 per 100.**

**KAUFMANNIANA.** One of the earliest of all the Tulips to come in flower. Creamy white, tinged rosy red, the markings varying. The flowers are very attractive, large in size, with petals reflexing. Blooms early in April. **\$3.50 per doz., \$25 per 100.**

**MARJOLETTI.** Pale yellow, mottled toward the outer petals with scarlet. A lovely species, which blooms outdoors during late April. Height 14 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

**SPRENGERI.** Bright orange-scarlet flowers, very striking and does not bloom until late in May. Grows 8 to 10 inches tall. Splendid for the rock-garden. **\$3.50 per doz., \$25 per 100.**

## LILY-FLOWERING TULIPS

This type of Tulip, which is now becoming popular in American gardens, is the result of crossing the urn-shaped Tulip, *Retroflexa* with one of the pink Darwins. The varieties, some of which we have previously listed among our Cottage and Hybrid Tulips, are very decorative, and the flowers are urn-shaped with long, recurving petals, giving them a lily-like shape. They bloom at the same time as the Darwin, Breeder, and Cottage Tulips.

**ALASKA.** One of the finest of the new Hybrid Tulips. The flowers are long, the outer petals slightly reflexed and of an even tone of pure yellow. Height 28 inches. **\$3.50 per doz., \$25 per 100.**

**ARTEMIS.** Best described as a deep clear rose-pink, similar in type to *Retroflexa*, except its color. A splendid Tulip for the herbaceous border. Height 30 inches. **\$1 per doz., \$7.50 per 100, \$72 per 1,000.**

**ELEGANS ALBA.** Creamy white, with narrow margin of carmine-rose. Large flower, with reflexing petals, similar to *Picotee*, except that the color does not spread as the flower ages. A dainty variety for planting in beds with ground-cover of forget-me-nots. Height 20 inches. **\$1.50 per doz., \$12 per 100.**

**PICOTEE (Maiden's Blush).** White, margined deep rose, the color suffusing the whole flower as it ages; medium-sized flower, reflexing. A grand Tulip for the border. The sight of a large bed planted wholly to this variety is one that will not easily be forgotten. Height 20 inches. **60 cts. per doz., \$4 per 100, \$38 per 1,000.**

**RETROFLEXA SUPERBA.** Light yellow, very decorative, urn-shaped Tulip, with long, recurving petals, giving a distinct lily-like effect. Height 18 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

**SIRENE.** This beautiful lily-flowering Tulip is not only a lovely variety on account of its color, but because of the exquisite urn-like shape of the flower. A rich cerise-pink, white base. Splendid for exhibition. Height 26 inches. **\$1.30 per doz., \$10 per 100.**

**YELLOW PICOTEE.** Beautiful canary-yellow, margined deep rose. A yellow counterpart to the well-known variety *Picotee*. A showy bedder. Height 20 inches. **85 cts. per doz., \$6 per 100, \$58 per 1,000.**



Lily-flowering Tulip, Sirene

# Striped and Feathered May-Flowering Tulips



Rose Bybloem Tulip, Athalia

## BYBLOEM AND BIZARRE TULIPS

Bybloem and Bizarre Tulips are "rectified" Breeder types. The Tulips are of an old race which has been grown in Holland and in France since the beginning of the seventeenth century, and which caused the famous Tulip craze in 1635. The Bybloems are queerly striped and feathered rose or violet on a white ground. The Bizarres have dark brown stripes and feathering on a yellow ground. The varieties offered are the newer sorts, and the flowers are larger than the older and smaller-flowering sorts. They flower about the same time as the Breeder and Darwin Tulips but do not grow quite so tall, and are seen at best advantage when planted in clumps in the herbaceous border or among evergreens and shrubs. The stems average from 18 to 23 inches in height.

**ADMIRAL KINGSBERGEN.** (Rose Bybloem.) Bright crimson, feathered and flamed with white; large flower, borne on a stiff stem. **\$2 per doz., \$15 per 100.**

**ATHALIA.** (Rose Bybloem.) White, bordered and feathered bright rose. **\$1.30 per doz., \$10 per 100.**

**BLACK BOY.** (Bizarre.) Yellow ground, feathered and flamed dark brown. **\$1 per doz., \$7 per 100.**

**EMPEROR DU MAROC.** (Bizarre.) Bright yellow ground, feathered and flamed dark red. **\$1.10 per doz., \$8 per 100.**

**GLORY OF HOLLAND.** (Violet Bybloem.) Pure white, feathered and flamed violet-purple. **\$1.50 per doz., \$12 per 100.**

**LADY STANLEY.** (Violet Bybloem.) White, feathered and striped dark violet. **\$1.10 per doz., \$8 per 100.**

**OVIDIUS.** (Bizarre.) Reddish brown ground, feathered yellow; very attractive variety. **\$1.10 per doz., \$8 per 100.**

**PRINS MAURITZ.** Yellow ground, variegated dark brown. **\$1.10 per doz., \$8 per 100.**

**REINE DE HOLLANDE.** (Rose Bybloem.) White, feathered and flamed red; a very attractive and distinctly variegated Tulip. **\$1.10 per doz., \$8 per 100.**

**ROMEA.** (Bizarre.) Bright yellow, feathered and bordered with orange-red; a very striking variety of large size. **\$1.10 per doz., \$8 per 100.**

**VONDEL.** (Violet Bybloem.) White ground, striped dark violet and feathered light violet. **\$2 per doz., \$15 per 100.**

**ROSE BYBLOEM TULIPS, MIXED.** **\$1 per doz., \$7 per 100.**

**VIOLET BYBLOEM TULIPS, MIXED.** **\$1 per doz., \$7 per 100.**

**BIZARRE TULIPS, MIXED.** An excellent mixture of choice named sorts. **\$1 per doz., \$7 per 100.**

## REMBRANDT TULIPS

Rembrandt Tulips are in reality "broken" forms of Darwin Tulips. Each year many of our best varieties of Darwin Tulips show a tendency to break, or become variegated. These Tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms are sometimes preferred and possess splendid decorative value. The stems average from 18 to 22 in. in height.

**APOLLO.** Lilac-rose and white, striped dark carmine. **\$1.10 per doz., \$8 per 100.**

**CARACALLA.** White, striped and feathered carmine-red; a very attractive variety. **\$1.10 per doz., \$8 per 100.**

**EROS.** Soft lilac, feathered dark violet; not a large but exquisite flower. **\$1.10 per doz., \$8 per 100.**

**JULIENNE.** Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white makes splendid contrast with the rich color of the flower. **\$1.20 per doz., \$9 per 100.**

**LA COQUETTE.** Violet, flamed purple and white; not a large but an exquisite flower. **\$1.10 per doz., \$8 per 100.**

**MARCO SPADO.** White, flamed bright carmine-red; large flower. **\$1.30 per doz., \$10 per 100.**

**SEMELE.** White, heavily striped and feathered vivid rosy pink. A Tulip of exquisite coloring; large flower. **\$1.10 per doz., \$8 per 100.**

**VICTOR HUGO.** Brilliant carmine, feathered white. **\$1.10 per doz., \$8 per 100.**

**REMBRANDT TULIPS, CHOICE MIXED VARIETIES.** **\$1 per doz., \$7 per 100.**

## PARROT TULIPS

Three-Year-Old  
Flowering Bulbs

**Fantasy.** A glorious Parrot Tulip with a straight, strong stem. It is a sport from the Darwin Tulip, Clara Butt, with exactly the same beautiful true pink color but the quaintly artistic shape of a Parrot Tulip. Several pans of this exhibited in our display at the New York Flower Show this spring created a sensation. **\$1 each, \$10 per doz., \$75 per 100.**

**Amiral de Constantinople.** Large, red flowers, tipped with orange.

**Cramoisi Brilliant.** Deep carmine; very handsome.

**Lutea major.** Large; bright yellow, with crimson and green stripes.

**Perfecta.** Yellow and red, striped.

**Mixed Parrot Tulips.**

Price, any of the above (except Fantasy), 85 cts. per doz., \$6 per 100



Parrot Tulips



# SINGLE EARLY TULIPS

## FOR APRIL-BLOOMING OUTDOORS, POTS AND FORCING

Few, if any, of the spring-blooming flowers rival the Tulip for brilliancy of bloom or ease of culture. For formal beds on the lawn or garden borders they are excellent subjects. They do not possess the same size of bloom and length of stem of the May-flowering Darwin, Breeder and Cottage varieties, but where early blooms are desired they are frequently used. Many of the varieties may be forced in bloom in January, while all the varieties may be easily had in flower in pots late in February or early March.

**Culture.**—For indoor blooming they require the same cultural treatment as Hyacinths.

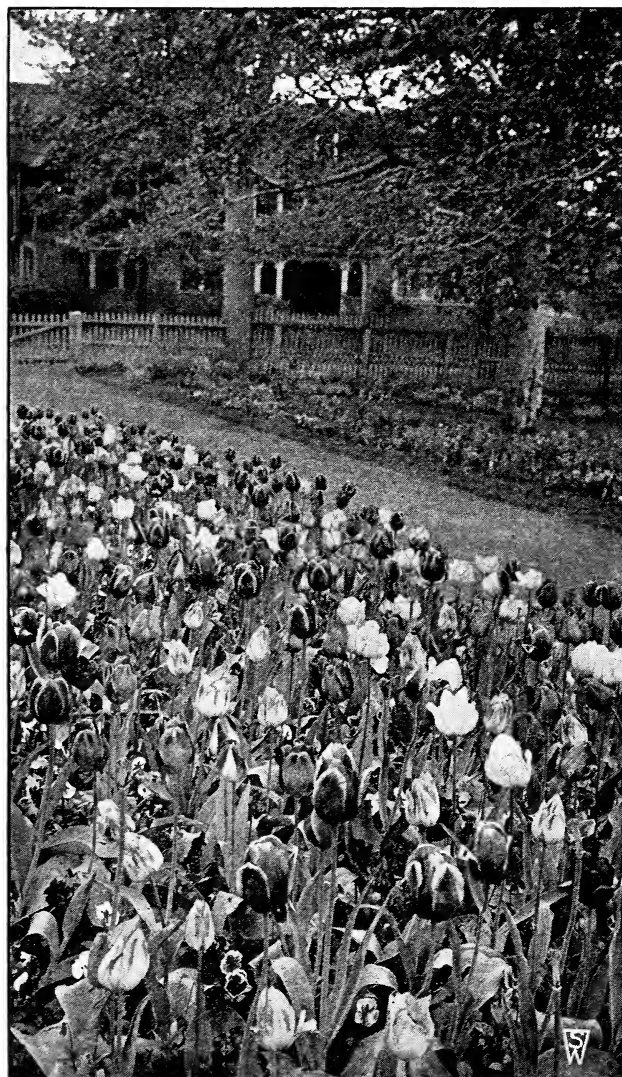
**Outdoor Culture.**—Bulbs may be planted with good assurance of success even in early December, if the ground is open. They should be planted not more than 5 inches apart, covering the bulbs about 4 inches over the top. After the first sharp frost which forms a light crust on the surface of the soil, old leaves or litter should be spread about 6 inches thick over beds or borders to prevent frost from going deeper. Do not cover bulbs, if planted early, until the first sharp frost, as field-mice frequently nest among leaves and destroy bulbs, which is impossible if the covering is placed after the first hard frost.

**Note.**—The letters A, B and C, following the varieties indicate their relative earliness of bloom; but, with few exceptions, most of the varieties, however, bloom outdoors about the same time when planted in masses. The figures indicate the height in inches.

The following list contains the best novelties extant, as well as a complete list of the best standard varieties. We have discarded quite a number of varieties which no longer grow well.

## BEST STANDARD AND NEW AND RARE VARIETIES

**Belle Alliance.** B 11. Brilliant scarlet, Doz. 100 1,000  
yellow base; large  
flower. An excellent variety for early forcing  
and does very well for bedding also...\$0 85 \$6 00 \$58 00



A border of Single Early Tulips

**Brilliant Star.** A 12. Bright vermilion-scarlet, same color  
as Vermilion Brilliant, but larger and of  
great substance. Splendid early forer,  
flowering easily for Christmas.....\$1 10 \$8 00 \$78 00

**Cerise Gris-de-Lin.** C 11. Dark carmine-violet, shaded fawn and margined creamy white, with yellow base; large flowers of globular form. A novel bedding variety, but must be planted alone; excellent for March forcing. . 85 6 00 58 00

**Couleur Cardinal.** C 12. A bright crimson-scarlet, with a deeper tone or bloom on the outer petals. A bed planted wholly to this variety is a grand sight. Grand for midseason forcing. 1 00 7 00 68 00

**Cramoisi Brillant.** C 13. Glowing scarlet, with yellow base; long, narrow flowers of perfect form. 70 5 00 48 00

**Cramoisi Royal.** B 14. A large flower of a bright carmine-rose, borne on strong stems. A lovely satiny rose color when grown in pots. .... 1 30 10 00 98 00

**De Wet.** B 16. Golden yellow, flushed deep orange; large, sweet-scented flower of erect habit. Quite different in color from any other variety. .... 2 00 12 00

**Diadem.** A 16. A very beautiful new variety when forced early, being an even tone of pearly pink. Excellent for pots or cutting. .... 7 00 50 00

**Diana.** B 14. Pure glistening white, with a yellow base; long flower of handsome shape. A fine new Tulip which grows more beautiful as it ages. .... 70 5 00 48 00

**Enchantress.** C 10. A very novel and attractive variety. Bright cherry-red with a broad border of creamy white; excellent for forcing or bedding. .... 1 20 9 00 88 00

**Flamingo.** B 12. Carmine-rose, shaded lighter. The petals are striped white and very crinkled, giving the flower a decidedly artistic appearance. A very popular variety among florists for forcing on account of its odd color and habit. .... 85 6 00 58 00

**Fortuna.** A 14. Perhaps best described as a satiny lilac-rose—a very beautiful color without the slightest trace of magenta. Splendid for early forcing. .... 10 00 75 00

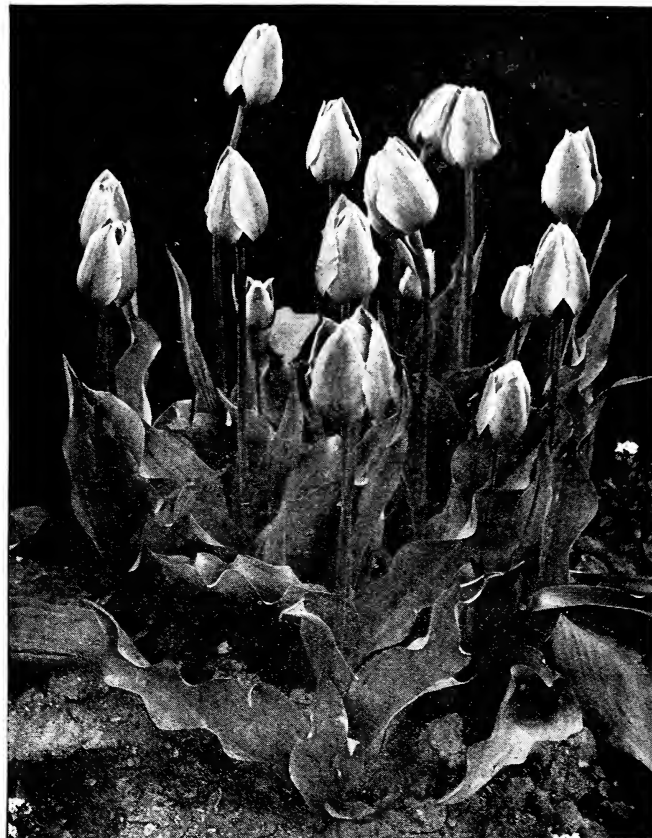
**Fred Moore.** B 12. An improved form of Thomas Moore. Deep, ruddy apricot, shading at the edges of the petals to dull orange-yellow, center marked olive-green; medium-sized flower; sweet-scented. A lovely color when forced. .... 70 5 00 48 00

**Golden Queen.** B 13. Golden yellow; large flower of extra-fine form. Excels all existing yellows for substance, and excellent for early forcing. .... 1 00 7 00 68 00

**Ibis.** B 14. Quite the finest novelty offered by us this year. A brilliant dark pink color when grown indoors. A grand exhibition variety. .... 1 30 10 00 98 00

# Single Early Tulips, continued

<b>King of the Yellows.</b>	A 14. Deep golden yellow; the flowers are egg-shaped, very substantial and carried on a tall stem, which makes them excellent for cutting. One of the earliest yellows which should be much more used for early forcing.	Doz. 100 1,000	\$0 85 \$6 00 \$58 00
<b>Keizerkroon.</b>	A 15. Bright crimson-scarlet, edged clear, rich yellow; excellent, large flower on long stem. Fine bedder; splendid for forcing.	I 00 7 00 68 00	
<b>Lady Boreel (Joost Van Vondel White).</b>	B 13. Snowy white; large, long flower of splendid shape. The finest white for bedding, and superb for pots or pans. Cannot be forced so early as Pelican or White Hawk.	85 6 00 58 00	
<b>La Reine Maximus.</b>	B 12. White, flushed faintly with pink. Used largely by florists for early forcing and a very lovely variety.	70 5 00 48 00	
<b>La Remarquable.</b>	C 13. Brilliant claret-purple, edged and tipped old-rose. A very large flower of elegant reflexing shape and a rather odd color among early Tulips. Good for bedding or late forcing.	85 6 00 58 00	
<b>Le Reve (Hobbema; Sarah Bernhardt).</b>	C 14. This variety caused considerable favorable comment in our exhibit of bulbs at the New York Flower Show this spring. The color is old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. Excellent for late bedding, and retains color well if not forced before March.	I 10 8 00 78 00	
<b>Max Havelaar.</b>	Very close in color to watermelon-red; rather large, well-formed flowers. A very striking variety.	I 20 9 00 88 00	
<b>Mon Tresor.</b>	A 12. Golden yellow; the flowers are large and of a pure color. Mostly used for growing in pots or pans, for which purpose it is best.	I 10 8 00 78 00	
<b>Moonbeam.</b>	B 14. Deep primrose-yellow, shading to soft canary at the edges; very large flower of graceful form. An improved form of Primrose Queen.	I 30 10 00 98 00	
<b>Pelican.</b>	A 14. A splendid new, pure white variety, and of wonderfully large size. Excellent for exhibition; sport of the variety White Hawk.	85 6 00 58 00	
<b>Pink Beauty.</b>	C 12. Bright cherry-rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March.	I 30 10 00 98 00	
<b>Pink Perfection.</b>	A 14. This is considered the finest uniform shell-pink Early Tulip which has come to our attention in recent years. A splendid exhibition variety and one that will be more extensively grown as soon as stocks become greater.	\$1 each. I 00 80 00	
<b>President Lincoln.</b>	B 12. Large flower of clear magenta-violet, slightly paler in tone when grown indoors. A variety that looks well when bedded out with a pale yellow variety.	85 6 00 58 00	
<b>Prince of Austria.</b>	B 14. Brilliant orange-scarlet, with a clear yellow base. The flower is large and of a very attractive shade when forced. A splendid bedding variety as well.	85 6 00 58 00	
<b>Princess Wilhelmina.</b>	B 13. Deep pink, with striking white flush on outer petals; long pointed flower. Fine for bedding.	85 6 00 58 00	



Le Reve Tulips

<b>Proserpine.</b>	A 14. Rosy carmine, with a white center marked slate-blue; a very large globular flower. One of the easiest and earliest forcing Tulips; very sweetly scented.	Doz. 100 1,000	\$1 10 \$8 00 \$78 00
<b>Queen of the Netherlands.</b>	B 13. Beautiful pale rose flower of large size. One of the finest pale pink Tulips for bedding. Good for forcing, retaining its delicate color well if not forced too hard.	70 5 00 48 00	
<b>Rising Sun.</b>	B 15. A new variety used for exhibition on account of its pure yellow color, and wonderful size and substance. The finest golden yellow early Tulip introduced to date.	I 20 9 00 88 00	
<b>Rose Luisante.</b>	C 10. Brilliant, deep rose-pink; large flower. Splendid for bedding, or pots.	85 6 00 58 00	
<b>Van Der Neer.</b>	B 12. Deep dark purple; a flower of a most brilliant tone and splendid shape.	I 10 8 00 78 00	
<b>Vermilion Brilliant.</b>	A 12. Bright, glistening scarlet, with a yellow base; very large flower of perfect shape. Splendid for early forcing.	I 00 7 00 68 00	
<b>White Hawk.</b>	B 12. Lovely pure white, very large, globe-shaped, of great substance. A very early forcer.	85 6 00 58 00	
<b>Yellow Prince.</b>	B 12. Clear golden yellow. A large flower used by florists for early forcing or bedding.	85 6 00 58 00	

**S. & W. Co.'s Special Mixture.** A mixture consisting of 25 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 60 cts. per doz., \$4 per 100, \$38 per 1,000.

# DOUBLE EARLY TULIPS

FLOWERS JUST AFTER EARLY TULIPS, IN LATE APRIL

Double Tulips are chiefly grown for their showy effects in masses, and are very lasting. Where a display of color is desired they are very satisfactory. Excellent for growing in pots or pans, but should not be forced into bloom very early.

The following list contains many of the best tested novelties, as well as all worth-while standard sorts.

<b>Azalea.</b>	B 12. Beautiful deep rose, flushed salmon. A splendid variety for forcing on account of its lovely color.....	Doz.	100	1,000
		\$1 20	\$9 00	\$88 00
<b>Boule de Neige.</b>	B 10. Beautiful, large, full flower of glistening white; greatly resembling a peony in form. Excellent for bedding or forcing.....	85	6 00	58 00
<b>Couronne d'Or (Crown of Gold).</b>	B 10. Large, bold flower of rich golden yellow, shaded copper. Excellent for bedding and winter forcing.....	85	6 00	58 00
<b>El Toreador.</b>	B 12. Bright orange-scarlet, with a broad margin of buff-yellow. Excellent for pots or bedding. I 20	9 00	88 00	
<b>Golden King.</b>	A 12. Soft canary-yellow shaded deeper yellow. Very fine for forcing or bedding.....	I 00	7 00	68 00
<b>Imperator Rubrorum.</b>	B 10. Excellent scarlet for bedding and forcing. Still remains among the best of the older varieties.....	I 00	7 00	68 00
<b>Mystery of India.</b>	B 12. Beautiful terra-cotta and orange, slightly shaded old-rose; a large, well-formed flower on a strong stem.....	I 30	10 00	98 00
<b>Murillo.</b>	C 12. Delicate rose-pink, flushed white. Fine for bedding, and excellent for forcing.....	60	4 00	38 00
<b>Peach Blossom.</b>	C 12. Bright rose-pink, flushed white, deepening with age to carmine-rose; large. A sport of Murillo. Excellent for pots.....	I 00	7 00	68 00
<b>Queen of the Pinks.</b>	B 14. Splendid new shade of rosy pink; fine large flower of a lovely even tone when forced.....	I 00	7 00	68 00
<b>Rubra Maxima.</b>	B 10. Rich deep brilliant scarlet, this is considered one of the finest varieties of its color for bedding.....	85	6 00	58 00
<b>Safrano (Brimstone; Tea Rose).</b>	B 12. This variety is a sport of Murillo; flowers open pale yellow, flushed salmon, but develop a rosy apricot in a day or so.	85	6 00	58 00
<b>Salvator Rosa.</b>	B 12. Beautiful deep rose, slightly flushed white. Excellent for beds or forcing.....	85	6 00	58 00
<b>Schoonoord.</b>	B 12. A beautiful, pure white sport of Murillo, with the same excellent forcing qualities. One of the best, if not the best white double...	85	6 00	58 00



Border of Double Tulips

<b>Van der Hoef.</b>	C 12. A beautiful pure yellow sport of the variety Murillo. Fine new variety for forcing.....	Doz.	100	1,000
		\$1 20	\$9 00	\$88 00
<b>Vuurbaak.</b>	B 12. Brilliant scarlet, when fully open the flower gets an orange hue. One of the best scarlets for bedding owing to its sturdy stem.....	I 00	7 00	68 00

**S. & W. Co.'s Special Mixture.** A mixture consisting of 15 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 70 cts. per doz., \$5 per 100, \$48 per 1,000.

## DOUBLE LATE TULIPS

Among the recent advances made by Tulip hybridizers in Holland, the Double Late Tulip may be counted as a distinct achievement from the standpoint of the wonderful peony-like flowers, strong stems, and well-filled blooms. For mass effect in the herbaceous border there are few Tulips that will give such a wonderful display. This, taken in connection with the unusual colors, should increase their demand by Tulip-lovers. The four varieties listed below bloom about the same time as the May-flowering Tulips listed in our catalogue under the headings, Darwin, Dutch Breeder, and Cottage and Hybrid Tulips.

**Bleu Celeste.** Large, soft violet-purple flowers of a very pleasing color. A fine Tulip for cutting and excellent for planting in the herbaceous border. Height 14 inches. 85 cts. per doz., \$6 per 100, \$58 per 1,000.

**Epicure.** One of the finest new Double Late Tulips. Its color strikes a new note in Tulip shades and is perhaps best described as an even tone of rich apricot-salmon that looks particularly attractive in the bright sunshine and is very pleasing under artificial light. Height 20 inches. \$4 per doz., \$30 per 100.

**Mount Tacoma.** In form this Tulip is somewhat on the order of a semi-double pure white peony, the petals being slightly laciniated. Another real gem for the herbaceous border on account of its well-formed flower and large size. Height 26 inches. \$7.50 per doz., \$60 per 100.

**Pensee Rose.** Another Tulip of unique color, which is perhaps best described as a deep rose-lavender. The large, well-formed flowers are borne on stems 24 inches tall. \$7.50 per doz., \$60 per 100.



## MATCHLESS BEDDING HYACINTHS

Special named varieties in distinct shades of color, to flower at the same time

BULBS MEASURE 7 TO 8 INCHES IN CIRCUMFERENCE

The Hyacinth chosen to represent each of the following shades of color is a variety which, we have found from trials, will be best in the three essential requirements: Best in its color; stoutest stem; largest truss of bells; so our customers will know that we have avoided using such varieties that are of weak stem, and that do not support the blooms.

**SPECIAL NOTICE:** *Owing to the unprecedented demand in Holland from such countries as Sweden, Norway, Denmark, and Germany, for Hyacinth Bulbs, the supply is less than the demand. This has resulted in greatly increased prices. During the war, Hyacinth culture in Holland was greatly reduced, owing to the lack of European demand. These new markets have now opened, with the result that Hyacinths are now at a premium. Rather than contract for inferior sizes, we were obliged to raise our prices.*

### CULTURE

These Hyacinths should be planted from 6 to 10 inches apart, and covered with at least 4 inches of soil from the top of the bulb. For beds or borders close to the conservatory or dwelling, 6 inches will make a fine display; but where the beds are planted to be viewed from a distance, they may be planted 10 inches apart. Hyacinths planted alternately with narcissi produce a most graceful effect, and for this combination 6 inches from bulb to bulb is also a very suitable distance. It is advisable to cover, after the bulbs have been planted, with leaves or some heavy material that will prevent them from freezing or being affected by early spring frosts after they have started.

Hyacinths, as well as narcissi, should be planted by November first in this latitude, as they are the better for early planting. Tulips may be planted up to December first, weather permitting.

Delivered (by Express or Parcel Post) anywhere in the United States

	Doz.	100	1,000
Matchless Bedding Scarlet .....	\$2 00	\$15 00	\$140 00
Matchless Bedding Light Pink .....	2 00	15 00	140 00
Matchless Bedding Dark Pink .....	2 00	15 00	140 00
Matchless Bedding Light Blue .....	2 00	15 00	140 00
Matchless Bedding Dark Blue .....	2 00	15 00	140 00
Matchless Bedding Pure White .....	2 00	15 00	140 00
Matchless Bedding Mauve .....	2 00	15 00	140 00
Matchless Bedding Deep Yellow .....	2 00	15 00	140 00

### Suggestions for Effective Color Combinations

1. Matchless Bedding Pink and Light Blue.
2. Matchless Bedding Light Blue and Deep Yellow.

3. Matchless Bedding Light Blue and Dark Blue.
4. Matchless Bedding Dark Blue and Deep Yellow.



# EXHIBITION HYACINTHS

Every year our growers prepare to select the finest grade of Hyacinths for us for exhibition. These bulbs are of maximum size, and fully aged for this purpose. The varieties listed below are grown especially for us, and intending exhibitors at the International Flower Show next spring will be interested in our selection of varieties which we believe, when grown for exhibition, should capture First Premiums. The Hyacinth enthusiast who is interested in novelty varieties will also find this list valuable.

We offer only the best sorts. There are several hundred varieties grown abroad, but we do not consider that there are over thirty of them worth growing. Bulbs such as we supply should be planted singly in a 5-inch pot, or four bulbs to an 8-inch bulb-pan. As there is a slight variation in the time of flowering between the different varieties, we have therefore indicated the relative time of blooming, 1 being early, 4 the latest.

**ARENTE ARENSEN.** 1. Snowy white; open, wide-petaled bells, and narrow, well-filled spike. A splendid exhibition variety.

**CITY OF HAARLEM.** 3. Soft Naples yellow, shaded deeper; large, well-formed truss and good stem. One of the best new yellows.

**DR. LIEBER.** 2. Pale lavender-blue, with a faint tinge of dark violet; large spike, well filled out. A handsome variety for bedding and a very early forcer.

**ELECTRA.** 2. Light silvery blue; an enormous spike; full and well finished, with large bells. A very lovely shade of blue in Hyacinths.

**GENERAL DE WET.** 2. Soft light pink; a fine spike with large bells. Pink sport of the well-known variety, Grand Maitre.

**GERTRUDE.** 1. Dark pink; strong, compact spike. A variety used largely by commercial florists on account of its earliness.

**GRAND MAITRE.** 2. Dark lavender-blue; large bells, and very long, well-filled truss, on an unusually strong stem.

**KING OF THE BLUES.** 4. Deep dark blue; splendid spike and bell. Excellent for late forcing.

**LADY DERBY.** 1. Clear rose-pink variety. A splendid forcing variety as the strong stems hold the truss well. Considered the finest rose-pink Hyacinth.

**LA GRANDESSE.** 3. Pure white flowers with waxy bells on long, full spike of perfect form.

**LA VICTOIRE.** 1. Bright, glistening carmine-rose; under glass this variety is a fine dark pink; well-filled spike on a strong stem.

**L'INNOCENCE.** 1. Pure white; fine truss of large bells, of great substance.

**LORD BALFOUR.** 1. Lilac-rose, tinged dark violet—a distinct color. The best Hyacinth of this color.

**MENELIK.** 2. Deep black-blue; large, well-formed truss with bells of good size, best of the so-called "blacks."

**ORANGEBOVEN.** 4. A very lovely and distinct color, different from all the others, perhaps best described as a ruddy apricot. This variety does not make a very large bulb.

**PERLE BRILLANTE.** 2. Light blue, lavender; big bells on a large, finely formed, stiff spike.

**PRINCE HENRY.** Clear Naples yellow. Long, narrow truss, with good bells and stem. A splendid new yellow variety.

**QUEEN OF THE PINKS.** 3. Very bright rose-pink, of unusually clear tone; large spike with large bells.

**SCHOTEL.** 1. Soft light blue; very long and perfect truss, with large bells; easily forced.

**YELLOW HAMMER.** 1. Creamy yellow; compact spike and large bells.



These large spikes of Dutch Hyacinths were produced from our Exhibition Grade

**Special Offer.** We place large contracts for the above varieties and thus secure the pick of the crop. This enables us to offer at a uniform price of 35 cts. each, \$3.50 per doz., \$25 per 100.





Miniature Hyacinths

## French Roman Hyacinths

French Roman Hyacinths are among the earliest bulbs to be had in flower. The bulbs arrive from France late in August, and, like all bulbs grown in the south of France, they may be had in flower from November all through the winter months, if potted up in September and at intervals of every two weeks. They are much prized for pots or cutting on account of their graceful appearance and delicate fragrance. The bulbs are about the same size as the Miniature Dutch Hyacinths offered on this page, and may be planted six or seven to a 5- or 6-inch pot, or ten to twelve bulbs to an 8- or 9-inch bulb-pan. The flowers are smaller than those of the Dutch Hyacinth, and are borne in great profusion, the larger bulbs frequently having three to five graceful spikes of bloom. Their ease of culture and earliness of bloom suggest their use. The white variety is the most reliable. They are not hardy in our northern climate, and should not be planted outdoors. The general culture given for Hyacinths on page 16 is suggested.

	Doz.	100	1,000
<b>White.</b> Mammoth bulbs, 12 to 15 ctns.....	\$2 50	\$16 00	\$150 00
Jumbo bulbs, 13 to 15 ctns.....	3 00	20 00	180 00
<b>Single Rose.</b> First-size bulbs.....	1 30	10 00	95 00
<b>Single Blue.</b> First-size bulbs.....	1 30	10 00	95 00

Our patrons desiring Hyacinths for culture in glasses are advised to select varieties from page 16. We offer Hyacinth Glasses, both Belgian and Tye shape, at 45 cts. each, \$4.50 per doz.

## Prepared, or Treated Dutch Hyacinths

These Hyacinths are given a special treatment in heated warehouses to advance the final development of the embryo flower and thereby make it possible to have them in bloom about three weeks before the others offered in our list. The bulbs are not as large as our Matchless Bedding or Second Size Hyacinths, but if potted early and given ample time to develop strong roots, will bloom early. We offer five distinct varieties.

**L'Innocence.** White. **Schotel.** Light blue.  
**Lady Derby.** Rose-pink. **Laura.** Violet-blue.  
**Nimrod.** Delicate rose.

Price, any of the above, 30 cts. each, \$3 per doz.,  
\$20 per 100

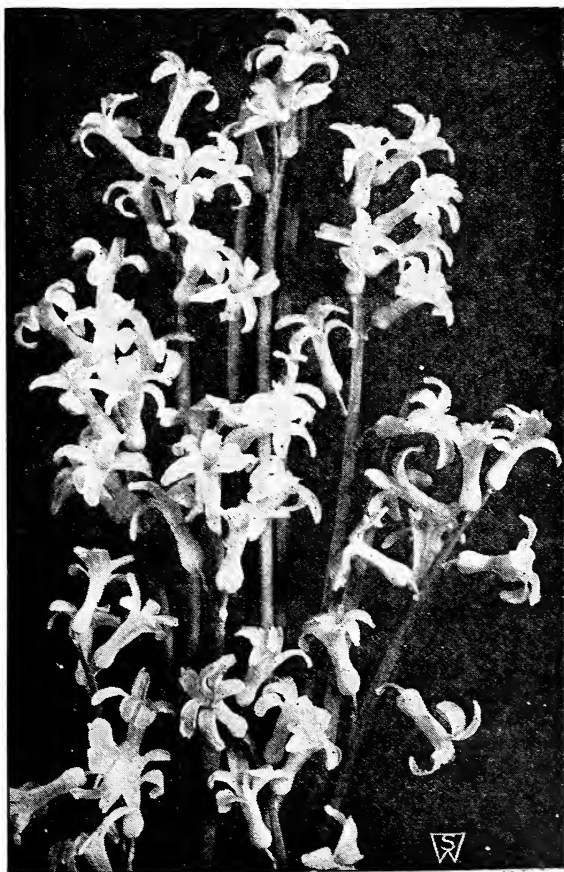
## Miniature Hyacinths

### DUTCH ROMANS

These Hyacinths are the same type as our Exhibition Hyacinths and our Matchless Bedding, except that they are small bulbs averaging  $1\frac{1}{2}$  to  $1\frac{3}{4}$  inches in diameter. They are splendid for growing in 6-inch pans, and it is advisable to grow one color of a variety in each pan. Largely used by commercial florists for Easter trade. We offer four fine varieties.

**City of Haarlem.** Yellow. **Gertrude.** Dark pink.  
**Grand Maitre.** Lavender-blue. **La Grandesse.** White.

Price, any of the above, 10 cts. each, \$1 per doz.,  
\$8 per 100



French Roman Hyacinths

# NARCISSI or DAFFODILS

No garden would be complete without the Narcissus or Daffodil. The innumerable positions in the garden in which their use may be availed of is responsible for their popularity. It is not only for garden culture that they are largely used, but many of the varieties are extensively grown in pots or pans for indoor decoration during late winter months. Some varieties in our list may be forced into bloom as early as January. Their simple beauty of form, dignity of habit, elegance of bloom and ease of culture, account for the new interest amounting to enthusiasm of flower-lovers all over Europe. Each year we are greeted with a profusion of novelties, many of which, on account of the high prices, are not available for immediate use.

All the varieties of Narcissi or Daffodils offered in our catalogue, with the exception of the Polyanthus Narcissus and such other few sorts as are especially noted, are perfectly hardy, and will continue to flower outdoors each year if given a congenial location and not disturbed. Where they are used for bedding, and must be lifted, it is wise to permit bulbs to remain after flowering until the foliage turns brown down to the ground, then lifted, and the earth shaken from the bulbs; they should be stored in a cool, dry place. Narcissi, like hyacinths, should be planted by early November, and should not be allowed to remain out of the ground so long as tulips, which may be planted up to hard frost.

**CULTURE.**—Owing to the various sizes of the bulbs, it is not advisable to state the exact depth to plant, but the simple rule of covering the bulb one and a half times its own depth, and making the distance between the bulbs 3 to 4 inches for the smaller sorts and 5 to 6 inches for the larger ones, is a good one. For greenhouse or window-garden culture treat them the same as hyacinths, except that three or more bulbs of one variety should be planted in a pot, and not single specimens.

Where a succession of blooms is desired for outdoors as well as indoors, we have arranged the following code: A, first early; B, second early; C, midseason; D, late; E, very late.

**NOTE.**—In describing Daffodils, Narcissi, etc., we have referred to the "perianth" and "trumpet," "crown" or "cup." The "perianth" is the surrounding row of petals or wings, and the other terms apply to the central funnel-like tube.

## SPECIAL NOTICE

### American-Grown Daffodil Bulbs

As we were advised in the fall of 1923 by the Federal Horticultural Board that importation of Holland Daffodil bulbs, for commercial sale, would be restricted from entry into the United States after January, 1926, we began immediately to experiment with the production of this much-loved spring-flowering bulbous plant in this country. After extended experiments, we proved that the stock grown at our Long Island farms produced bulbs of high quality, some of the varieties producing hardy, sound, heavier stock than could be grown in Holland.

## Giant Trumpet Varieties, Including New and Rare Sorts

The flowers of the Giant Trumpet varieties are of large size; the "perianth," or wing-like petals, according to the variety, measure from 2 to 4 inches across, and the "trumpets," or central funnel-like tubes, vary from 3 to 4 inches in length. Flowers are borne on strong, stiff stems, from 12 to 18 inches high.

**Duke of Bedford.** B. White perianth, with loose, spreading petals and long, deep yellow trumpet well frilled at the mouth. The marked contrast in color between the deep trumpet and the glistening white perianth is very effective. A splendid exhibition sort. Height 16 inches. 40 cts. each, \$4 per doz., \$30 per 100.

**Emperor.** C. Perianth deep primrose-yellow, trumpet rich yellow; a very large flower. Excellent for naturalizing or forcing. Height 18 inches. 20 cts. each, \$2 per doz., \$15 per 100, \$130 per 1,000.

**Empress.** C. White perianth of great substance; trumpet rich chrome-yellow. Showy for border or naturalizing. Does equally well forced. Height 18 inches. 20 cts. each, \$2 per doz., \$15 per 100, \$130 per 1,000.

Giant Trumpet Narcissi

1. Van Waveren's Giant.  
2. King Alfred.

3. Glory of Noordwijk.  
4. Spring Glory.

# Giant Trumpet Narcissi, continued

**Glory of Leyden.** C. Perianth pale yellow, broad and spreading, very long trumpet of golden yellow; enormous flower of great vigor and substance. An especially fine variety for borders and excellent for pot culture. Should not be forced hard. Must be planted early. Height 15 inches. **30 cts. each, \$3 per doz., \$20 per 100.**

**Glory of Noordwijk.** B. One of the best and most attractive of the Bicolors; perianth sulphur-white, trumpet chrome-yellow, very long and elegantly reflexed at the brim; of good size and substance. Grand for pots or cutting. Height 14 inches. **30 cts. each, \$3 per doz., \$20 per 100.**

**Golden Spur.** A. A very good variety, both perianth and trumpet being of a rich yellow color; foliage very broad and striking. It is of unusually robust habit and unsurpassed for garden, pots, or forcing. Early and extremely free flowering. Height 18 inches. **Jumbo Bulbs, 20 cts. each, \$2 per doz., \$15 per 100, \$130 per 1,000.**

**King Alfred.** C. A king among the new varieties, one that responds splendidly to forcing and one that you should grow a few of. For pans or pots for exhibition, its size, general vigor, and depth of color put it in a distinct class of the **Finest Giant Golden Yellow Narcissi**. Wherever this Narcissus has been exhibited it has caused a sensation. Perianth often measures 4 inches across; trumpet fully 2 inches. **Jumbo Bulbs, 40 cts. each, \$4 per doz., \$30 per 100.**

**Mme. de Graaff.** C. Pure white perianth, trumpet primrose, passing into white, well formed at the brim. A good white for exhibition or growing in pots or pans for decoration. Bulbs should be removed from containers immediately upon receipt and planted; if permitted to remain will quickly decay. Height 15 inches. **30 cts. each, \$3 per doz., \$20 per 100.**

**Olympia.** B. Perianth light chrome-yellow, trumpet deep chrome-yellow, of huge dimensions. Splendid exhibition sort; a variety in the same class as King Alfred; of wonderful constitution and size. Height 15 inches. **40c. each, \$4 per doz., \$30 per 100.**

**Spring Glory.** B. Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very vigorous grower and one of the best of the newer Daffodils for pot culture. **40 cts. each, \$4 per doz., \$30 per 100.**

**Treserve.** B. Yellow Trumpet. Perianth primrose-yellow, slightly hooded; very large trumpet of rich canary-yellow, broad at the mouth and deeply flanged. Height 17 inches. **65 cts. each, \$6.50 per doz., \$50 per 100.**

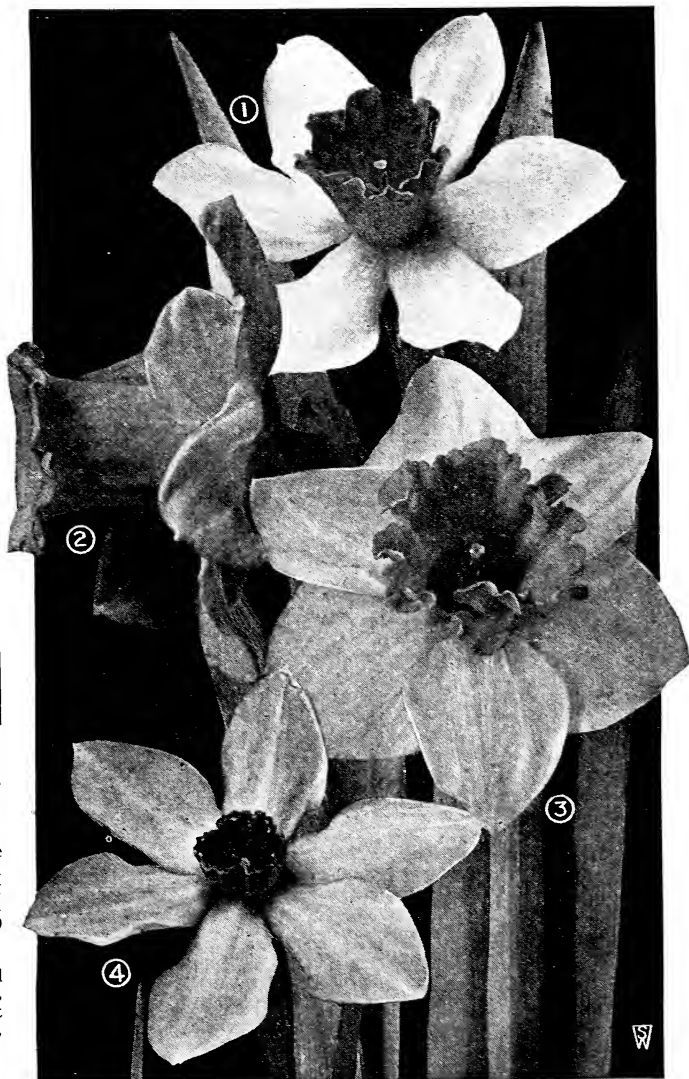
**Vanilla.** C. This is a grand, tall-growing and very handsome variety, having a fine, bold trumpet of deep yellow, with a paler perianth, and possessing the added charm of a most pleasing and delicate odor. It flowers the same time as Emperor, and is a good variety for forcing. Height 20 inches. **25 cts. each, \$2.50 per doz., \$18 per 100.**

**Van Waveren's Giant.** B. Bicolor Trumpet. Broad perianth of campanulate form, bright yellow trumpet with very large, open mouth flanged at brim. Huge flower of vigorous habit and very showy character. Height 17 inches. **60 cts. each, \$6 per doz., \$40 per 100.**

**Weardale Perfection.** Perianth milk-white with broad, overlapping petals; long trumpet of primrose-yellow; elegantly fluted at the mouth. A good grower and free bloomer. **60 cts. each, \$6 per doz., \$40 per 100.**

## VICTORIA B

A Bicolor famous for its large and durable flowers which stand boldly erect; broad perianth of creamy white; large, broad, fluted trumpet of rich yellow. A strong grower, with massive flowers. Fine for forcing, the flowers lasting in excellent condition long after being cut. Height 16 inches. **Jumbo Bulbs, 20 cts. each, \$2 per doz., \$15 per 100, \$130 per 1,000.**



Giant and Medium Trumpet Narcissi

1. Sir Watkin (Medium).
2. Empress (Giant).
3. Victoria (Giant).
4. Conspicuous (Medium).

**Giant Trumpets in Mixture.** In order to encourage the more liberal use of this splendid spring-flowering bulbous plant in the woodlands and shrubbery borders, we are growing a splendid range of seedling varieties for this purpose and offer selected bulbs at \$8 per 100, \$70 per 1,000, \$650 per 10,000.

# Medium Trumpet Narcissi, or Daffodils

This is also a very popular type or rather types of the Narcissus or Daffodil family. Splendid for garden culture, in pots or pans, or in flats, for cut-flowers.

The following varieties are grouped in some catalogues under the headings, Barrii, Incomparabilis and Leedsii types.

NOTE.—“*Perianth*” is surrounding row of petals, or wings; “*crown*” or “*cup*” is the central cup or funnel-like tube.

**BARRII.** Daffodils belonging to this group are crosses between Yellow Giant Trumpets and the Poet's Narcissi. The crown usually is not over one-third the length of the perianth petals.

**INCOMPARABILIS.** The Incomparabilis varieties are also crosses between the Yellow Giant Trumpets and the Poet's Narcissi, but the crowns are larger than those of the Barrii group, sometimes being three-fourths of the length of the perianth petals. The color of the perianth is either yellow or white.

**LEEDSII.** These are crosses between White Giant Trumpets and the Poet's Narcissi. The crowns are as large as those of the Barrii and Incomparabilis groups, but the perianth petals are always white, and the crowns are mostly white or light yellow.

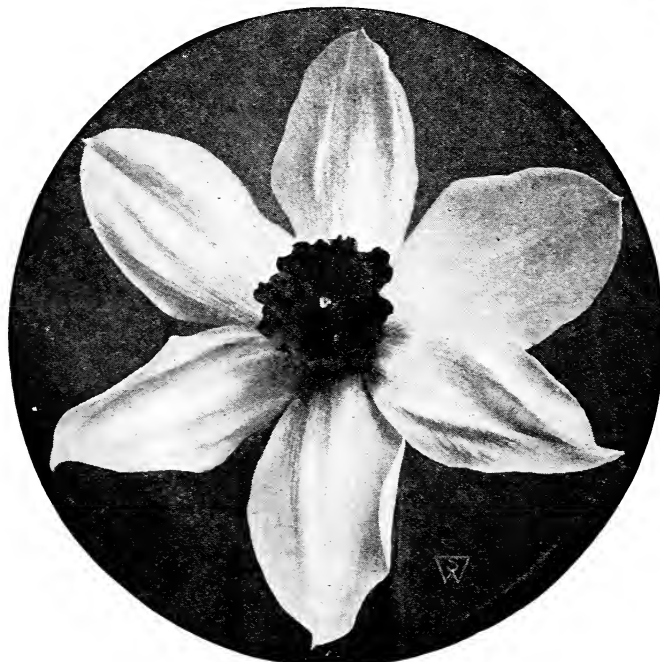
**Autocrat. (Incomparabilis.)** C. Clear golden yellow; broad perianth tending to reflex, cup widely expanded at the mouth. A very handsome variety for the border or pots. Height 20 inches. 20 cts. each, \$2 per doz., \$15 per 100.

**Bernardino. (Incomparabilis.)** Very large, creamy white perianth of great substance; large cup of pale lemon-yellow, flushed and edged pinkish apricot, and very heavily frilled. Height 20 inches. 60 cts. each, \$6 per doz., \$40 per 100.

**Conspicuus. (Barrii.)** C. Large, broad-spreading perianth of pale yellow, short darker yellow cup, brightly edged orange-scarlet. Splendid for midseason forcing, and good for any position in the garden. Height 21 inches. 15 cts. each, \$1.50 per doz., \$12 per 100, \$110 per 1,000.

**Duchess of Westminster. (Leedsii.)** C. Pure white perianth; cup pale canary-yellow, slightly darker at the edge, passing into ivory-white; large star-like flower of exquisite beauty. One of the best of the Leedsii for exhibition. Height 16 inches. 20 cts. each, \$2 per doz., \$15 per 100.

**Lady Godiva. (Barrii.)** C. Large, spreading perianth of pure white, cup large pale yellow, edged orange-scarlet. A splendid variety in every way; excellent if planted out in combination with the variety Conspicuus. Height 18 inches. 25 cts. each, \$2.25 per doz., \$18 per 100.



Medium Trumpet Narcissus, Lucifer

**Lady Moore. (Barrii.)** C. A stately flower with a creamy white perianth, and a large, dark yellow cup, edged orange-scarlet. A variety that is very striking in appearance and sure to be appreciated by discriminating Daffodil lovers. 75 cts. each, \$7.50 per doz., \$60 per 100.

**Lord Kitchener. (Leedsii.)** Large, snowy white perianth, broad and flat, of great substance; big crown of the palest primrose, widely open at mouth and elegantly crimped and fluted at the brim. A flower of perfect quality, refinement and distinction, highly valued as one of the most desirable in its class. Height 21 inches. 40 cts. each, \$4 per doz., \$30 per 100.

**Lucifer. (Incomparabilis.)** C. Perianth sulphur-white, with long, well-rounded petals; cup chrome-yellow, with intense orange-scarlet suffusions. A bold, showy flower for outdoors, holding its color well, and splendid for exhibition. Height 18 inches. 15 cts. each, \$1.50 per doz., \$12 per 100, \$110 per 1,000.

**Masterpiece. (Barrii.)** Perianth sulphur-white with broad, very round petals of great substance and Poeticus character, eye orange-scarlet, quite flat and beautifully crinkled, the color covering the entire surface of the inch-wide eye. Height 22 inches. Unusually attractive and most desirable. 65 cts. each, \$6.50 per doz., \$50 per 100.

**Mrs. Langtry. (Leedsii.)** D. A remarkably free-flowering variety, each bulb usually producing several flowers; broad white perianth, white cup opening pale primrose. On account of its low price it is largely used for naturalizing. It is good, also, for potting. Height 16 inches. 15 cts. each, \$1.50 per doz., \$12 per 100, \$110 per 1,000.

**Queen of the North. (Leedsii.)** C. Broad, large perianth of clear, glistening white and remarkable texture; cup soft primrose-yellow, with narrow rim of sulphur-white. A splendid Leedsii variety for either indoor or outdoor culture. Height 18 inches. 15 cts. each, \$1.50 per doz., \$12 per 100, \$110 per 1,000.

**Red Beacon. (Barrii.)** Broad white perianth of splendid substance, with broad well-frilled cup of dazzling orange-scarlet. A very striking variety on account of its brilliant coloring due to the scarlet center. 50 cts. each, \$5 per doz., \$35 per 100.

**Sir Watkin. (Incomparabilis.)** C. Perianth primrose-yellow; large and well-formed yellow cup, tinted deep yellow. A giant among the Medium Trumpet sorts. A grand flower of wonderful substance for garden culture or pots, this variety frequently has flowers 5 inches across, and its splendid proportion and ease of culture cause it to be one of the most popular of the older varieties. Height 18 inches. 20 cts. each, \$2 per doz., \$15 per 100, \$130 per 1,000.

**White Lady. (Leedsii.)** C. Broad, white perianth of perfect form; small cup of pale canary, beautifully crinkled. A new sort that is conceded to be one of the best. Fine for outdoor planting, making a splendid cut-flower; good for pot culture also. Height 20 inches. 15 cts. each, \$1.50 per doz., \$12 per 100, \$110 per 1,000.

**Will Scarlet. (Incomparabilis.)** Creamy white perianth; cup widely expanded and of a brilliant orange-scarlet, elegantly frilled. Very bright, and one of the nearest reds. 30 cts. each, \$3 per doz., \$20 per 100.





Narcissus Poetaz, Aspasia



Narcissus Poeticus, King Edward VII

## Narcissus Poetaz

### THE HARDY CLUSTER-FLOWERED POET'S NARCISSUS

The chief characteristics of this type of Narcissus is that hybridizers by crossing the strong-scented Polyanthus varieties with the Poeticus type, developed a hardy strain of Daffodils which has the bunch-flowered character of the Polyanthus with larger flowers similar to the Poet's described on this page. They are excellent for pot culture or are splendid for the garden border.

**ASPASIA.** C. Perianth pure white, with soft yellow eye; three or four flowers on a stem. One of the best of this class and especially bright in color. Height 18 inches. 15 cts. each, \$1.75 per doz., \$12 per 100, \$110 per 1,000.

**IDEAL.** C. Perianth pure white, with a dark orange eye; three or four flowers on a stem. A very easy variety to get in flower in pots and very charming on account of the size of the flowers and striking contrast of the dark orange eye. Height 18 inches. 15 cts. each, \$1.75 per doz., \$12 per 100, \$110 per 1,000.

**KLONDYKE.** B. Perianth an even tone of pure bright yellow, with golden yellow eye. A variety of wonderful vigor and size giving five to six flowers on a stem. Height 15 inches. 25 cts. each, \$2.50 per doz., \$20 per 100.

**LAURENS KOSTER.** B. Perianth pure white, with soft yellow eye. A variety that is much admired on account of the large size of the flowers. It is a strong grower, frequently having five flowers on a stem. Height 18 inches. 15 cts. each, \$1.75 per doz., \$12 per 100, \$110 per 1,000.

## The Poet's Narcissi

### *Narcissus poeticus*

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing, their simplicity of form and delightful fragrance making them highly prized. Cassandra, Epic, King Edward VII, and Ornatus are used with excellent success for growing indoors in pots or pans, or gently forced into bloom for cutting purposes.

**POETICUS** (Pheasant's Eye). D. The original late-flowering Pheasant's Eye variety so popular for gardens and naturalizing; pure white flowers with orange cup, edged with red. Height 15 inches. 15 cts. each, \$1.25 per doz., \$9 per 100, \$85 per 1,000.

**POETICUS ORNATUS** (Improved Poeticus). C. Grand flower for cutting. Larger and more symmetrical than the old variety and considerably earlier. Pure white flowers, saffron cup, tinged rosy scarlet. Magnificent cut-flower. Height 15 inches. 15 cts. each, \$1.25 per doz., \$9 per 100, \$85 per 1,000.

**POETICUS, KING EDWARD VII.** C. Round, white perianth, cup light yellow, margined deep red. A vigorous grower, excellent for pot culture. Height 15 inches. 15 cts. each, \$1.50 per doz., \$10 per 100, \$95 per 1,000.

**POETICUS, HORACE.** C. Quite the best and largest of the new Poet's varieties. The white perianth is of large size, cup canary-yellow, rimmed bright red. Height 17 inches. 25 cts. each, \$2.50 per doz., \$20 per 100.

## Sweet-Scented Jonquils

Very much prized for their deliciously scented golden flowers; perfectly hardy in gardens or naturalized, also admirably adapted to indoor culture in pots of soil.

We frequently receive orders for Jonquils when the Giant Trumpet Daffodils are desired. We ask our patrons to select varietal name in order to avoid the confusion caused thereby. The Jonquils listed below belong to a distinct type of the Narcissus family. The foliage is rush-leaved, and the flowers are borne in clusters of four or five on each stem, and should not be confused with the Giant and Medium Trumpet Daffodils in our list. We have decided to discard the common Single and Double Jonquils in favor of the following sorts.

**Giant Campernelle rugulosus.** Much larger and finer than the old favorite Campernelle Jonquils; a much freer bloomer and much more desirable, especially for forcing. Beautiful, single, yellow, star-shaped flowers, exquisitely imbricated, borne in clusters of four to six on a stem; delightfully fragrant. Also very hardy and valuable for outdoor planting. 15c. each, \$1.50 per doz., \$10 per 100, \$95 per 1,000.

**Rugulosus, Double.** The double form of the large-flowering Campernelle Jonquil. Large, double, yellow flowers; very fragrant and much superior to the common Double Jonquil. Height 20 inches. 15 cts. each, \$1.50 per doz., \$10 per 100, \$95 per 1,000.



### *SPECIAL NOTICE!*

## American-Grown Daffodil Bulbs

(FOR NATURALIZING)

**A**S WE were advised in the fall of 1923 by the Federal Horticultural Board that importation of Holland Daffodil bulbs, for commercial sale, would be restricted from entry into the United States after January, 1926, we began immediately to experiment with the production of this much-loved spring-flowering, bulbous plant in this country. After extended experiments we proved that the stock grown at our Long Island farms produced bulbs of high quality, some of the varieties producing hardy, sound, heavier stock than could be grown in Holland.

In order to encourage wider use of this splendid spring-flowering bulb, we are prepared to offer:

**Giant Trumpet Mixed, \$8 per 100, \$70 per 1,000, \$650 per 10,000**

## Grape Hyacinth, Heavenly Blue

One of the loveliest of the spring-flowering bulbous plants for naturalizing. They begin to bloom just after the crocuses and chionodoxas. The variety Heavenly Blue is excellent for planting in masses in the wild garden or along shrubbery borders in conjunction with daffodils. The blue coloring makes a delightful contrast. Given a congenial location and left undisturbed they reseed themselves and bloom profusely every year. (See colored illustration, page 59.)

**Strong Bulbs, \$3.50 per 100, \$30 per 1,000**

# Polyanthus Narcissi

BUNCH-FLOWERING

VARIETIES FOR EARLY INDOOR GROWING

Not for Outdoor Planting, except south of the Carolinas

READY FOR DELIVERY OCTOBER 1

We are offering two varieties of this splendid type of Narcissus which are now universally grown indoors in pots of fiber or soil as well as in pebbles and water. The varieties are Paper-White Grandiflora, the popular bunch-flowering white variety, and Grand Soleil d'Or, the popular yellow bunch-flowering variety. These bulbs are produced for us by an expert grower in the South. The importation from France is no longer permitted.

Dishes of these, grown in pebbles and water, may be had in bloom continuously from Thanksgiving until Easter. The best method is to keep your bulbs in the containers in which they are shipped to you and to store them in a moderately cool, dry place. Plant different lots every three weeks from October 1 until March 1, and you can enjoy a constant succession of bloom.

**Grand Soleil d'Or.** This popular bunch-flowering variety of the Polyanthus type is as easy to grow in pebbles and water as in soil or our Shurgrow Bulb Fiber. The flowers are a clear sunny yellow, with bright orange cups. **\$2.50 per doz., \$18 per 100, \$160 per 1,000.**

**Paper-White Grandiflora.** The popular, bunch-flowering pure white Narcissus, frequently having thirty individual blooms and splendid decorative foliage from a single bulb. We offer two sizes, each suitable for growing indoors in pebbles and water or in our Shurgrow Bulb Fiber.

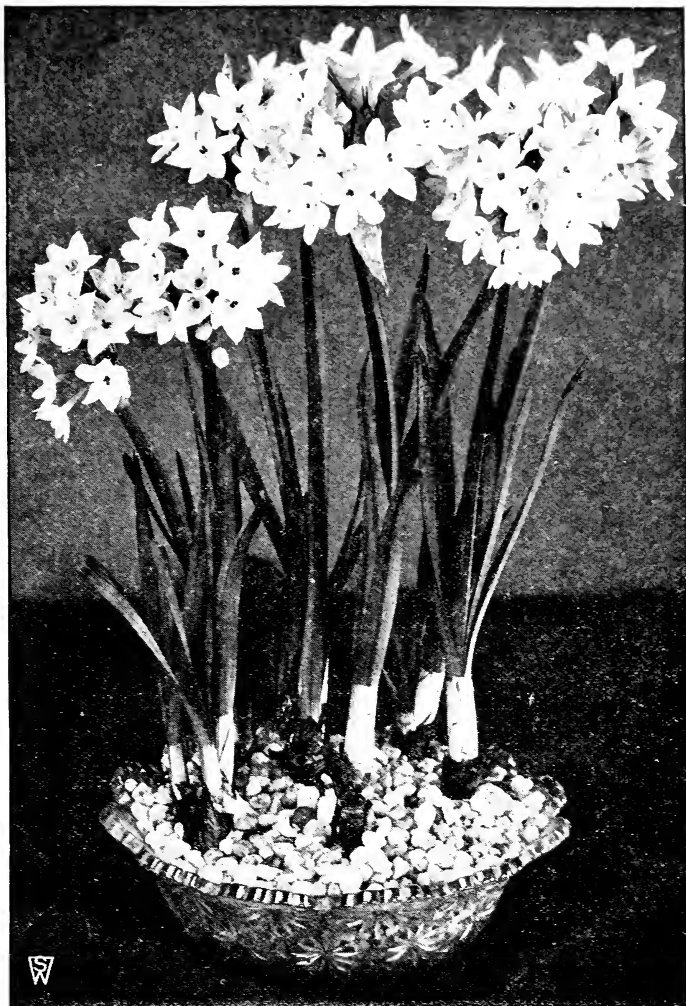
	Doz.	100	1,000
<b>First-Size Bulbs.</b> .....	\$0 75	\$6 00	\$50 00
<b>Jumbo Bulbs.</b> .....	1 00	7 00	60 00

## Cultural Directions for Growing Polyanthus Narcissi in Pebbles and Water

Fill a deep dish almost full of pebbles and press the Narcissus bulbs down in the pebbles until they are nearly covered; then add water to the top of pebbles. Put in a reasonably dark place for three weeks, or until the bulbs are well rooted, then bring to the light and watch them grow and bloom, which will be from seven to eight weeks from time of planting.

They can also be grown in Holland fiber or any good soil well watered, but the pebbles make the most attractive appearance for table decorations.

Do not keep the growing plants near steam-pipes or radiators, as excessive heat causes too rapid growth of foliage with no blossoms. Do not cover with too much water as it is liable to soften and rot the bulbs.



Paper-White Grandiflora Narcissi growing among pebbles in water

## SPECIAL OFFER. Containers and Materials for Growing Paper-White and Grand Soleil d'Or Narcissus Indoors.

**Glass Bowls.** Suitable to plant 3 bulbs. 35 cts. each, \$3.50 per doz.

**Glass Bowls.** Suitable to plant 6 bulbs. 50 cts. each, \$5 per doz.

**Pebbles.** Carefully screened and selected. Quart box, 20 cts., 2 qts. 35 cts.

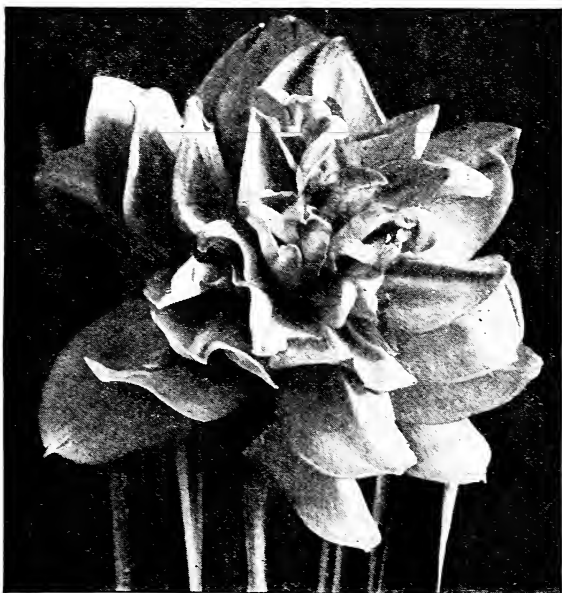
**Shurgrow Bulb Fiber.** This is a prepared Fiber containing all the ingredients for producing blooms from bulbs indoors. It can be used for any dish, as it does not require drainage. Put up in quart package convenient for use. 15 cts. per qt., \$1.50 per doz. qts.

## Double Narcissi (Daffodils)

The Double-flowering Daffodils offered in our list may be planted outdoors, but are admirably adapted for indoor growing in pots and pans, or may be forced in flats for cutting purposes. We have listed this year, two of the newer varieties of Double Daffodils, which are splendid for pot-culture but are excellent for outdoor planting as well; owing to the flowers of American-grown Von Sion Narcissus showing a tendency to "come green," we have decided to omit it from our list.

**Argent.** C. This variety is best described as a Double Incomparabilis. Very pale primrose perianth with a double row of petals; chrome-yellow cup. A fine new Double Daffodil with a strong stem. Height 14 inches. **20 cts. each, \$2 per doz., \$15 per 100, \$120 per 1,000.**

**Dubloon.** B. Similar in type to the variety Argent, except in color which is a deep yellow, center shaded orange; very beautiful flowers, bold stiff stems. Height 13 inches. **20 cts. each, \$1.50 per doz., \$12 per 100, \$110 per 1,000.**



Double Narcissus

## CHINESE SACRED LILY

The "Shui Sin Far," or Water Fairy Flower, Joss Flower or Flower of the Gods, etc., as it is called by the celestials, is a variety of Narcissus, bearing in profusion chaste flowers of silvery white, with golden yellow cups. They are of exquisite beauty and entrancing perfume.

The bulbs, of large size and great vitality, are of luxuriant growth, producing several spikes of flowers; the incredibly short time required to bring bulbs into bloom (four to six weeks after planting) is one of the wonders of nature. You can almost see them grow, succeeding almost everywhere and with everybody. They do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough fancy pebbles to prevent them from toppling over when in bloom. A dozen bulbs, started at intervals will give a succession of flowers throughout the winter. We have found that first-size bulbs, as generally sent out by other houses, do not flower satisfactorily, and we therefore offer only Mammoth and Jumbo sizes.

	Each	Doz.	100
Mammoth bulbs.....	\$0 20	\$2 00	\$15 00
Jumbo bulbs.....	25	2 50	20 00

**GLASS BOWLS**, for one bulb of Chinese Lily, 35 cts. each, \$3.50 per doz.; for 6 bulbs, 50 cts. each, \$5 per doz.

**PEBBLES**. Carefully screened and selected. Per quart box, 20 cts., 2 boxes for 35 cts.

## JAPANESE LILIES (Cold Storage)

Many of our patrons who have greenhouse facilities are desirous of planting bulbs of some of the varieties of Japanese Liliiums during the summer months for flowering during the late autumn and Christmas time and to these we offer the following varieties: *L. speciosum album*, or the pink form, *Magnificum* (flowers in 5 months).

**L. speciosum album**. White. 9- to 11-inch bulbs (50 per case)..... \$25 00  
**L. speciosum magnificum**. Pink. 9- to 11-inch bulbs (50 per case).... 25 00



Chinese Sacred Lily

## CROCUS (Extra-large Bulbs)

Crocuses, among the earliest bulbs to flower, are most effective when planted in masses on the lawn, or arranged in three or four rows of one color in the border. They are perfectly hardy, and may be left in the ground for three or four years after planting, without being disturbed. The best method is to scatter the bulbs about the lawn and use an ordinary garden dibble or "Slim Jim" trowel, inserting several bulbs in each spot. This makes a very pretty effect in early spring, and the foliage and tops may be safely cut along with the grass when the first mowing is made. They are very ornamental when flowered in pots of eight to ten bulbs to a 5-inch size. They will not flower if exposed to heat, nor must too severe forcing be attempted. After potting set bulbs in a cool cellar and water well. Leave them about six weeks until they are thoroughly rooted and then bring to the light of the conservatory or sunny window. Care should be taken to cover the bulbs about 1 inch, whether planted outdoors or in pots, as planting too deep causes them not to flower.



Giant-flowering Crocus, Kathleen Parlow

Any of the following, 50c. per doz., \$3.50 per 100, \$30 per 1,000

**Purpurea Grandiflora**. Best dark blue.

**Julia Culp**. Large-flowering purple.

**Kathleen Parlow**. Purest white; fine large flowers.

**La Majestueuse**. White, striped purple.

**Mont Blanc**. An old favorite; large; pure white.

**Yellow Mammoth**. The largest flowering sort of this color.

**S. & W. Co.'s Special Mixture**. A special mixture of all colors and shades. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

## SPIREA

November delivery

This beautiful pot plant, usually grown by the florist for Easter, we are able to offer in three named varieties, in clumps suitable for growing in 6-in. pots.

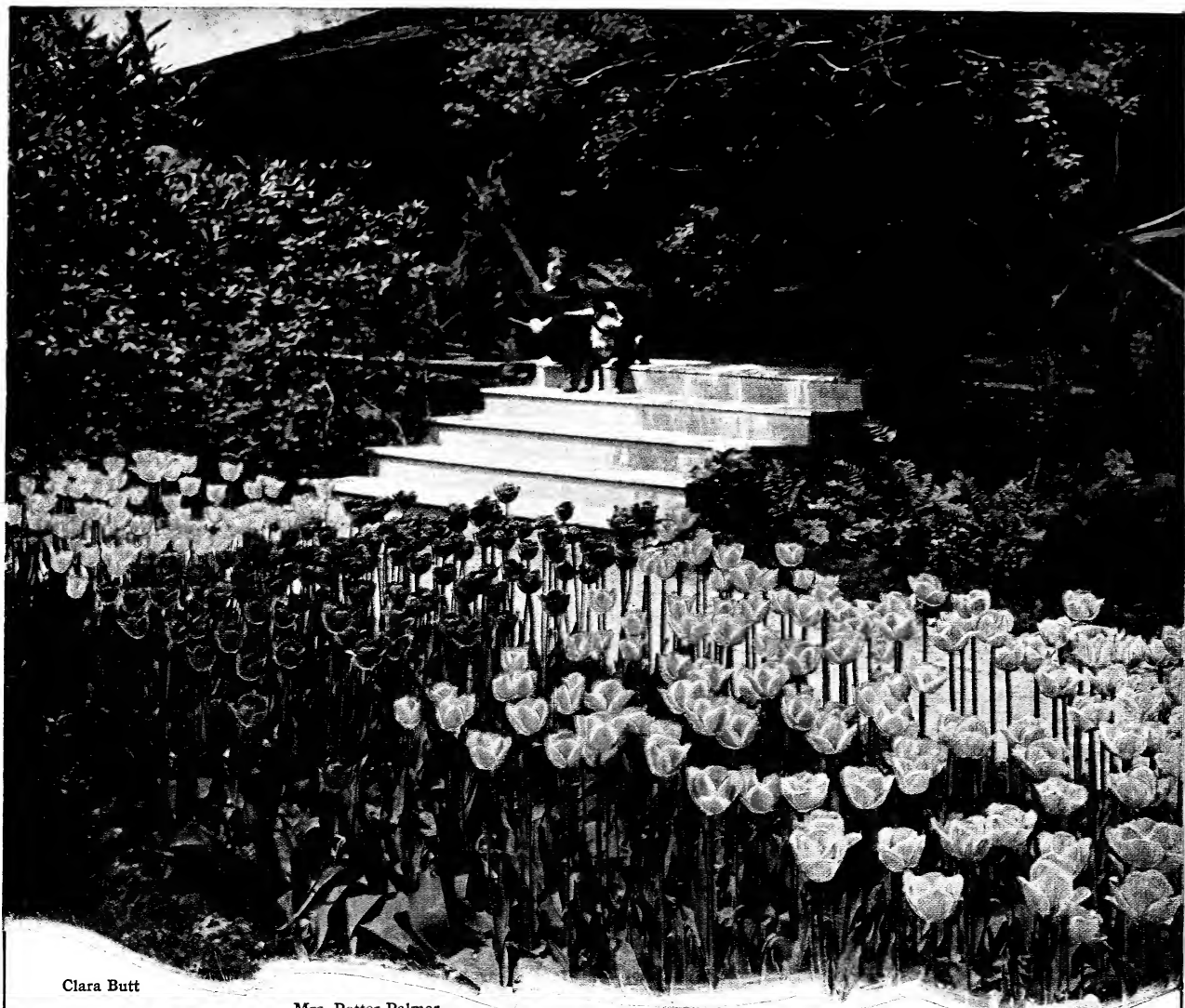
**Gladstone**. Large spikes of pure white flowers, borne on strong stems 18 inches high.

**Queen Alexandra**. A popular variety on the order of Gladstone, but of a pale pink color.

**Peach Blossom**. A very lovely shade of peach-blossom pink. A very free-flowering variety.

**Strong Clumps of any of the above 3 varieties, \$1 each, \$10 per doz., \$75 per 100**





Clara Butt

Mrs. Potter Palmer

Edmee

Dream

## FOUR POPULAR DARWIN TULIPS

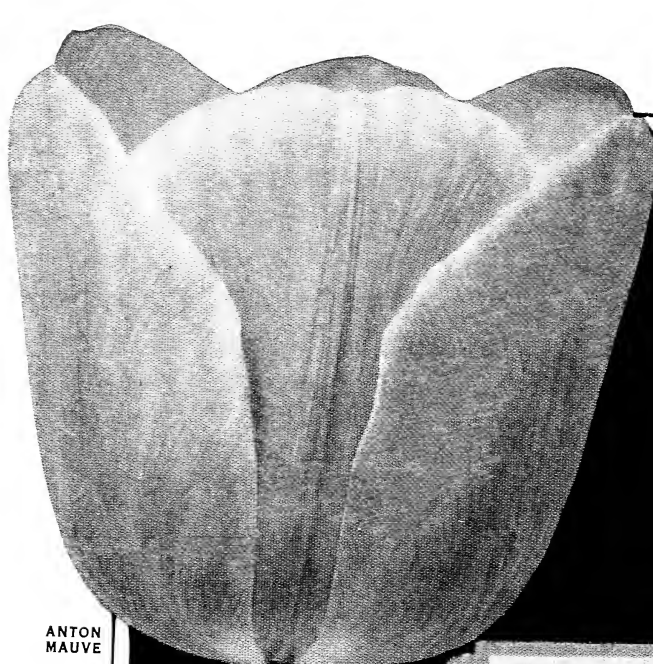
THE modern garden is usually planted to a color scheme. The illustration above suggests the planting of your flower borders in blocks of 25, 50, or 100 of a variety, with a definite color scheme in mind. The four varieties suggested, when planted in the order given, will produce a very lovely color scheme. The lilac and mauve coloring of Dream, followed by the brighter cherry-rose tone of Edmee, and this followed by the bright violet of Mrs. Potter Palmer, with the beautiful pure salmon-pink Darwin, Clara Butt, form a very effective color scheme. They are quite the least expensive of the Darwin Tulips and will always remain prime favorites.

	Doz.	100	1,000		Doz.	100	1,000
Dream .....	\$0 60	\$4 00	\$38 00	Mrs. Potter Palmer.....	\$0 60	\$4 00	\$38 00
Edmee .....	70	5 00	48 00	Clara Butt .....	60	4 00	38 00

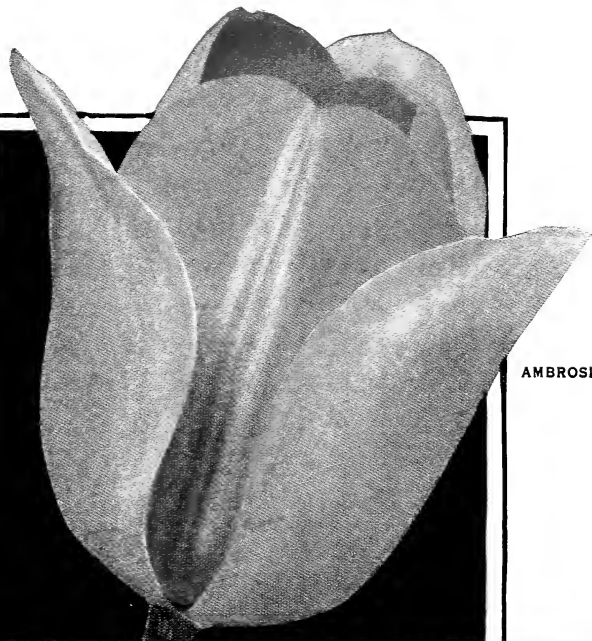
### SPECIAL COLLECTION OFFER

25 bulbs each of the above 4 varieties,	100 bulbs .....	\$4 00
50 bulbs each of the above 4 varieties,	200 bulbs .....	7 75
100 bulbs each of the above 4 varieties,	400 bulbs .....	15 00
250 bulbs each of the above 4 varieties,	1,000 bulbs .....	35 00

For complete descriptions of the varieties mentioned above see pages 5, 6



ANTON  
MAUVE



AMBROSIA

## Four Fine New and Rare Tulips

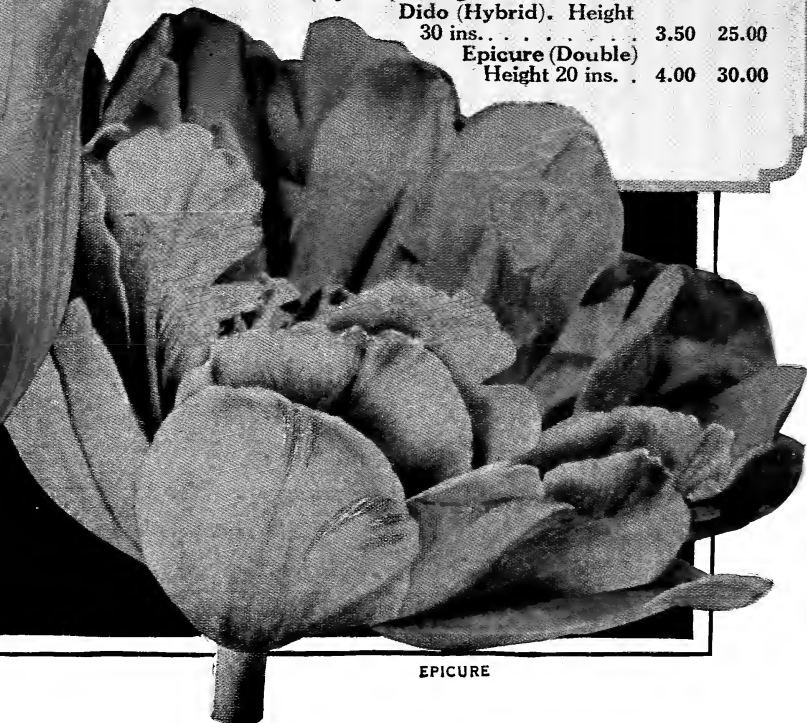
(MAY-FLOWERING)

The varieties Ambrosia and Dido are real gems among the newer Tulips. They are the result of crossing the Darwin with the Cottage Tulips, and both have the vigorous habit of the Darwins, with strong stems and large blooms, as well as a distinctly new and fascinating color. Darwin Tulip, Anton Mauve, is quite the finest of its color. The Double May-flowering Tulip, Epicure, is a decidedly new color-note in its class. The blooms are large, as massive as the peony, and are borne on strong stems. Splendid for planting in the hardy border.

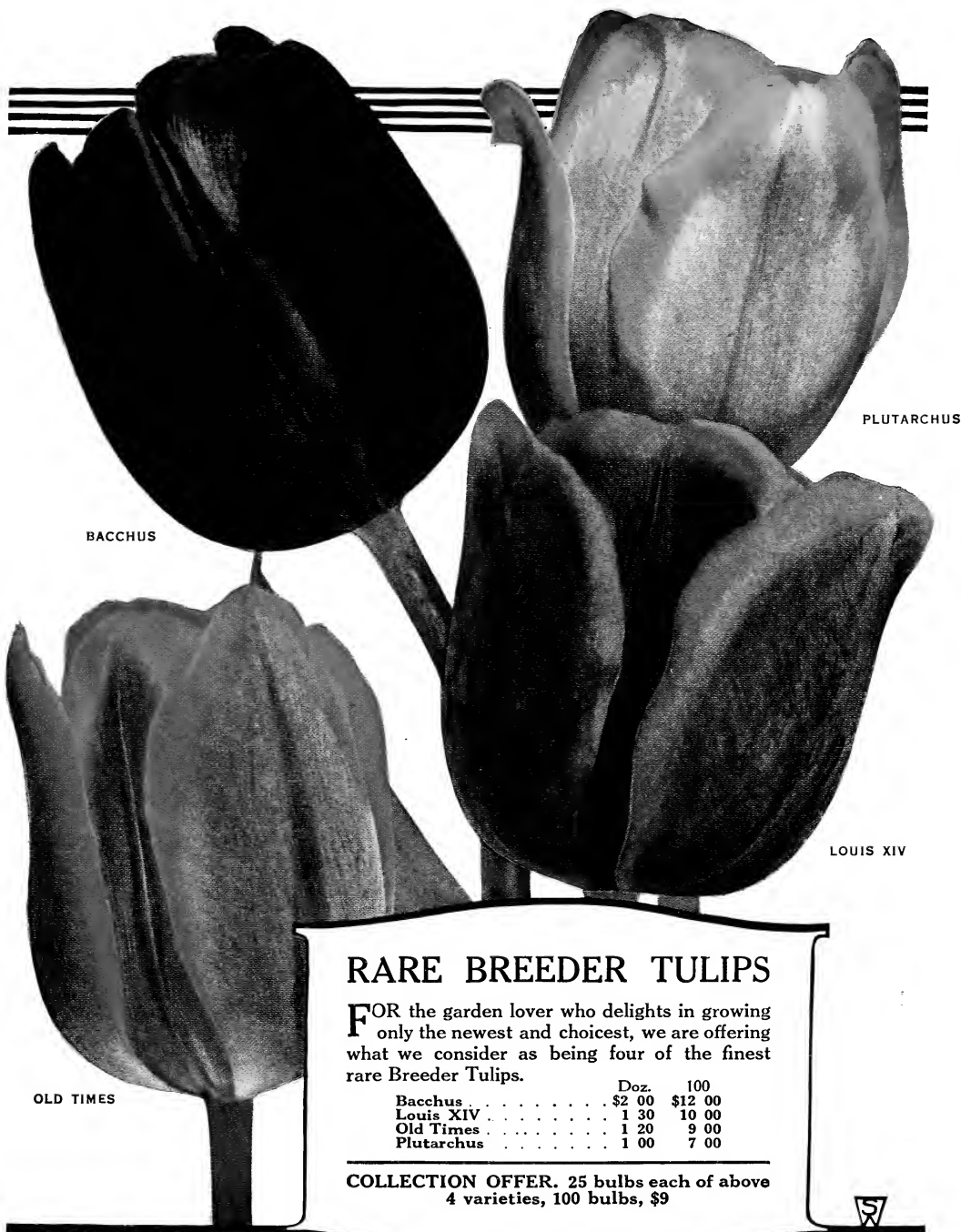
	Doz.	100
Anton Mauve (Darwin). Height 32 ins. . .	\$1.10	\$8.00
Ambrosia (Hybrid). Height 28 ins. . . . .	2.00	15.00
Dido (Hybrid). Height 30 ins. . . . .	3.50	25.00
Epicure (Double) Height 20 ins. . .	4.00	30.00



DIDO



EPICURE



BACCHUS

PLUTARCHUS

LOUIS XIV

OLD TIMES

## RARE BREEDER TULIPS

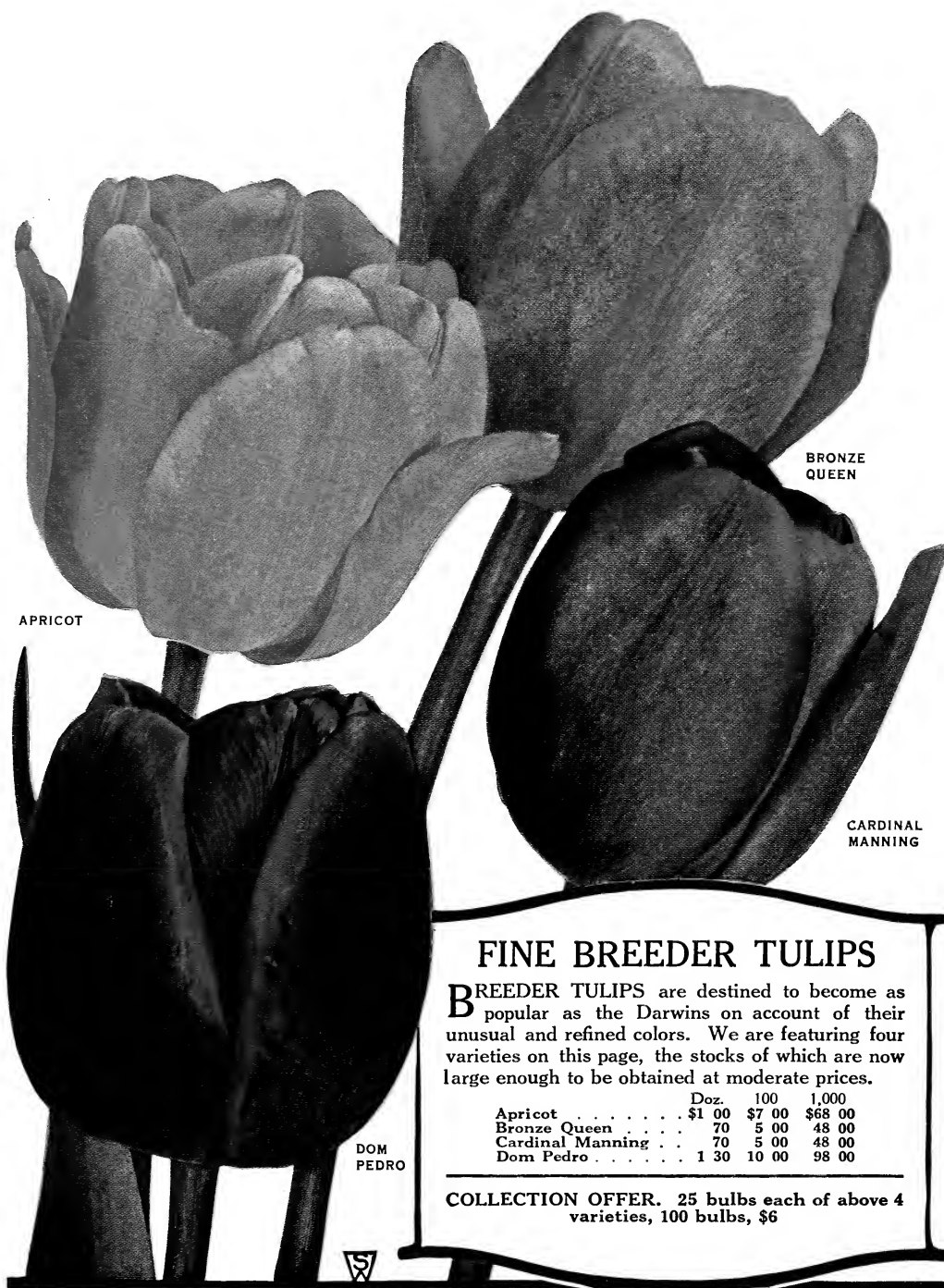
FOR the garden lover who delights in growing only the newest and choicest, we are offering what we consider as being four of the finest rare Breeder Tulips.

	Doz.	100
Bacchus . . . . .	\$2 00	\$12 00
Louis XIV . . . . .	1 30	10 00
Old Times . . . . .	1 20	9 00
Plutarchus . . . . .	1 00	7 00

COLLECTION OFFER. 25 bulbs each of above  
4 varieties, 100 bulbs, \$9



For complete descriptions of varieties of Breeder Tulips listed above see pages 8 and 9



## FINE BREEDER TULIPS

**B**REEDER TULIPS are destined to become as popular as the Darwins on account of their unusual and refined colors. We are featuring four varieties on this page, the stocks of which are now large enough to be obtained at moderate prices.

	Doz.	100	1,000
Apricot . . . . .	\$1 00	\$7 00	\$68 00
Bronze Queen . . . . .	70	5 00	48 00
Cardinal Manning . . . . .	70	5 00	48 00
Dom Pedro . . . . .	1 30	10 00	98 00

**COLLECTION OFFER.** 25 bulbs each of above 4 varieties, 100 bulbs, \$6

*For complete description of Breeder Tulips listed above see pages 8 and 9*





### Seven Distinct Fine Daffodils

**W**HETHER for garden or indoor culture, we can heartily recommend the various types of Narcissi, or Daffodils, featured on this page.

	Each	Doz.	100		Each	Doz.	100
King Alfred . . . . .	\$0 40	\$4 00	\$30 00	Poeticus Ornatus . . . . .	\$0 15	\$1 25	\$9 00
Lady Godiva . . . . .	25	2 25	18 00	Victoria . . . . .	20	2 00	15 00
Lucifer . . . . .	15	1 50	12 00	White Lady . . . . .	15	1 50	12 00
Poetaz, Aspasia . . . . .	15	1 75	12 00				

*For complete descriptions of Daffodils listed above see pages 21 to 23*

# Three Fine Lilies

## LILIUM CANDIDUM (Madonna Lily)

CHOICE NORTHERN-GROWN  
Arrive in August or September

This Lily should be planted in September or October, so that it can root and make a tuft of leaves in the fall. It is usually at its best the latter part of June and is splendid in the hardy border when planted with delphiniums. It resents deep planting. Set bulbs slightly on their side with a little sand under them, and cover with 2 to 3 inches of soil. The bulbs do well almost anywhere, except in heavy clay land, and are not seriously subject to disease. This Lily does not object to a little lime.

	Each	Doz.	100
First Size.....	\$0 35	\$3 50	\$25 00
Mammoth Bulbs.....	40	4 00	30 00
Jumbo Bulbs.....	50	5 00	40 00

## LILIUM HUMBOLDTI

(Beautiful  
Californian Lily)  
October Delivery

This beautiful Californian Lily bears its attractive drooping flowers in triangular clusters, each bloom brilliant golden yellow, spotted with purple on the reflexed petals. Prefers rich well-drained soil to permit the basal roots to penetrate easily. Blooms in June and July. 75 cts. each, \$7.50 per doz., \$60 per 100.



Lilium candidum



Lilium regale

## LILIUM REGALE (A Regal Beauty)

October Delivery

The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is fascinating, similar to the jasmine. A splendid hardy Lily for the garden, flowering about July 1. The easiest of all Lilies to grow and perhaps the handsomest. First Size, 50 cts. each, \$5 per doz., \$40 per 100. Mammoth Bulbs, 75 cts. each, \$7.50 per doz., \$60 per 100.

*SPECIOSUM ALBUM*

*SPECIOSUM MAGNIFICUM*

*AURATUM*

### THREE FINE JAPANESE LILIES

WE are featuring what we believe to be the three most popular garden Lilies grown in American gardens. The sizes offered we consider the best for outdoor planting.

	Each	Doz.	100
Auratum . . .	\$0 45	\$4 50	\$35 00
Speciosum Album . . .	45	4 50	35 00
Speciosum Magnificum . . .	45	4 50	35 00

For complete descriptions of *Liliums* listed above see pages 36 and 37

*Paper-White  
Grandiflora*

# NARCISSUS

(BUCKFIELD BRAND)

*The Most Popular White  
Narcissus for Indoor  
Blooming*

May be had in bloom in the  
sun-parlor or sunny window



The Paper-White Narcissus, a native of the quaint section of the French Riviera, and formerly imported from there (before the Narcissus Embargo) by the millions, is now being produced on the largest bulb farm in the world in the rich rice-fields of South Carolina.

Buckfield Plantation, in South Carolina, is undoubtedly the largest and best equipped Paper-White Narcissus farm in the world. It has the most scientific method of irrigation and drainage, is carefully organized, and has best facilities for handling and shed curing of bulbs in the United States.

Its ease of culture has made this the most popular bulbous plant for indoor planting in America. Place your order now for your usual fall requirements. Bulbs may be kept dormant, in a cool place, until springtime. Plant every three weeks, from October 1 to March, and they will bloom continuously from Thanksgiving until Easter.

Hundreds of commercial florists have sent us testimonials on the flowering of these bulbs under exacting greenhouse forcing conditions.

	Doz.	100	1,000
First-size Bulbs . . .	\$0 75	\$6 00	\$50 00
Jumbo Bulbs . . . . .	1 00	7 00	60 00

## *Cultural Directions for Growing Paper-White Narcissi in Pebbles and Water*

Fill a deep dish almost full of pebbles and press the Narcissus bulbs down in the pebbles until they are nearly covered; then add water to the top of pebbles. Put in a reasonably dark place for three weeks, or until the bulbs are well rooted, then bring to the light and watch them grow and bloom, which will be from seven to eight weeks from time of planting.

They can also be grown in Holland fiber or any good soil well watered, but the pebbles make the most attractive appearance for table decorations.

Do not keep the growing plants near steam-pipes or radiators, as excessive heat causes too rapid growth of foliage with no blossoms. Do not cover with too much water as it is liable to soften and rot the bulbs.



## **SPECIAL OFFER** Containers and Materials for Growing Paper-White Narcissi Indoors

Glass Bowls. Suitable to plant 3 bulbs. 35 cts. each, \$3.50 per doz.

Glass Bowls, Suitable to plant 6 bulbs. 50 cts. each, \$5 per doz.

Pebbles. Carefully screened and selected. Qt. box 20 cts., 2 qts. 35 cts.

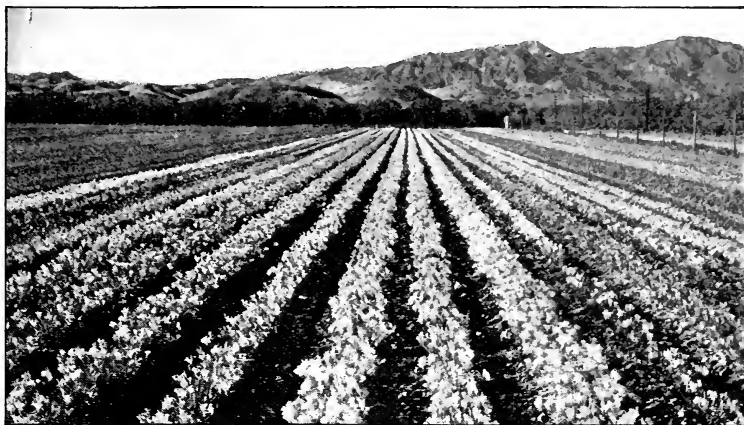
**Shurgrow Bulb Fiber.** This is prepared Fiber containing all the ingredients for producing blooms from bulbs indoors. It can be used for any dish, as it does not require drainage. Put up in quart package convenient for use. 15 cts. per qt., \$1.50 per doz. qts.



## GIANT FREESIAS

Without doubt the most sweetly scented flower grown; a single bloom permeates the living-room with its delicate perfume. Although they are quite popular and very easily raised, we would suggest the following treatment:

Procure the bulbs as early as possible, and plant them in successive batches from August to October, using from six to twenty-five bulbs for a single pan. The soil should be a mixture of loam, to which must be added leaf-mold and sand. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in; of course they must be regularly watered and kept growing all the time. In October, before frosts appear, the pots should be placed in frames, if possible, or near the window of an unheated room. Not before November must the young plants be brought to gentle heat, and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The glistening, pure white flowers are borne on long stems, and are very valuable for cutting.



A field of colored Freesias as grown in California

### S. & W. CO.'S IMPROVED PURITY

Through painstaking effort our grower of Freesia Purity has maintained such a quality in our strain of this very desirable cut-flower by careful selection as to justify us in offering it as an improved strain.

	Doz.	100	1,000
Monster bulbs.....	\$0 75	\$5 00	\$45 00
Jumbo bulbs.....	60	4 50	40 00
Mammoth bulbs.....	50	3 50	30 00

## Novelty Freesias

We offer below two new yellow Freesias which we consider a distinct advance over any of the existing yellows that are now in commercial production at this time.

**GOLDEN DAFFODIL.** This variety may best be described as a rich daffodil-yellow color, such as seen in the popular variety, King Alfred. The flowers are large, well-formed, and are borne on long, stiff stems. **\$2 per doz., \$15 per 100.**

**GOLDEN TREASURE.** A rich, sunny yellow, very similar to Golden Daffodil, except that the outer part of the flower is tinged with lilac, which, to our mind, greatly enhances its beauty when seen under artificial light. The blooms are large, well open, and are borne on long, stiff stems. **\$2 per doz., \$15 per 100.**

## New and Rare Colored Freesias

Few, if any, of the newer creations in spring-flowering bulbs have been improved by the hybridist as has been the Freesia. We now have a splendid range of colored sorts which can be obtained at moderate prices on account of the supply having been increased by propagation. Our bulbs have been produced for us under contract by California's leading specialist in this lovely bulbous plant for indoor growing.

**AURORA.** A beautiful large-flowering yellow, suffused with orange. **\$1 per doz., \$8 per 100, \$75 per 1,000.**



S. & W. Co.'s Lily-of-the-Valley

**CALIFORNIA.** A large flower of bright golden yellow; extra-fine strong grower and long stems. One of the very finest yellow Freesias. **\$1 per doz., \$8 per 100, \$75 per 1,000.**

**CARRIE BUDAU.** A beautiful lavender-pink, much on the order of General Pershing, but of a more beautiful bright pink shade. The flowers are larger and the stems stronger. **\$1.50 per doz., \$10 per 100, \$90 per 1,000.**

**CARMENCITA.** Medium-sized flower of a beautiful orange-salmon hue, with buff shading on the lower petals. Long, wiry stems. **\$1 per doz., \$8 per 100, \$75 per 1,000.**

**FISCHERI.** This variety is a pure white of slightly heavier texture than Purity, borne on strong stems. **\$1 per doz., \$8 per 100, \$75 per 1,000.**

**FISCHER'S SPLENDENS.** The stems are long and stiff, bearing as many flowers as Purity, of a beautiful deep lavender color which seems to be well retained throughout the life of the flower. **\$1 per doz., \$8 per 100, \$75 per 1,000.**

**GENERAL PERSHING.** Splendid popular lavender-pink; strong grower; on long, stiff stems. **\$1 per doz., \$7 per 100, \$60 per 1,000.**

**ILENA.** Deep rosy lavender with white throat, deep orange blotch on lower petals. Flowers large and very attractive, on good stiff stems. **\$1.50 per doz., \$10 per 100, \$95 per 1,000.**

**JUNE MICHELSEN.** Large flowering deep rose-pink with light blush throat; three lower petals are veined purplish crimson with a deep yellow blotch on center petal. Good stiff stem and strong constitution. **\$1.50 per doz., \$10 per 100, \$95 per 1,000.**

**MENDOTA.** A new giant yellow Freesia par perfection; splendid clear color; extra strong, vigorous growth; long sturdy stems, making it a valuable cut-flower. **\$1.75 per doz., \$12 per 100.**

**MRS. MARC PETERS.** A very attractive deep rosy salmon with lower petals blotched orange and yellow. Flowers are of good size and open up well. It is a good keeper. **\$1.75 per doz., \$12 per 100.**

**OLIVETTE.** Bright carmine-red, with light yellow throat. Lower petals have a deep yellow blotch with crimson veins. Very profuse bloomer. **\$1.50 per doz., \$10 per 100, \$95 per 1,000.**

## LILY-OF-THE-VALLEY PIPS

November Delivery

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily-of-the-Valley growers. Our Lily-of-the-Valley produces strong spikes of flowers, about 15 inches in height, bearing from twelve to twenty extra-large, pure white bells, which are delightfully fragrant. For forcing, these pips are the very best that can be planted. **25 pips \$2.50, 100 pips \$8, 250 pips \$18, 500 pips \$35, 1,000 pips \$65.**

## LILY-OF-THE-VALLEY CLUMPS

For Outdoor Planting. November Delivery

Our Lily-of-the-Valley Clumps are extra-selected, well grown and, if planted outdoors by the middle of April, will flower splendidly during May. If grown under the proper conditions, these clumps will increase rapidly, and every spring produce a profusion of dainty flowers. **Extra-strong clumps, 50 cts. each, \$5 per doz., \$35 per 100.**

# HARDY LILIES

We especially recommend deep planting, say, from 6 to 8 inches; varieties like Speciosums require at least 8 inches, with an ample amount of sand beneath the bulb to insure proper drainage. Cover the beds with leaves or litter during winter. Lilies thrive well in borders, formal gardens or shrubbery, and usually flower at a time when the shrubbery has ceased blooming, adding increased interest. The following varieties have proved to be sorts that may be planted in the fall or spring with excellent results. We frequently receive orders for *Lilium candidum* for spring delivery. This Lily arrives from France in September, and must be planted by November 1.

Most Lily Bulbs, being of late maturity, do not arrive in our country until October and November, which is conceded to be the best time to plant. Where the ground is liable to freeze before late Lilies arrive, it should be mulched with leaves or manure.

## LILIUM CANDIDUM (Madonna Lily)

**Choice Northern-Grown. Arrive in August or September**

Perhaps the most popular of all the Lilies. Having practically no resting period, this Lily should be planted in September or October, so that it can root and make its fall growth. Unlike other Lilies, *Lilium candidum* makes a tuft of leaves in the fall, which must be protected by rough litter or straw. This Lily, the first to flower, is usually at its best the latter part of June and is splendid in the hardy border when planted in conjunction with delphiniums. It differs from the other varieties in that it resents deep planting. Set bulbs slightly on their side, placing a trowel of sharp builders' sand under the bulb, and cover with 2 to 3 inches of soil. The bulbs do well almost anywhere, except in heavy clay land, and are not subject to serious disease attacks, except leaf-spot, which can be controlled by spraying with Bordeaux Mixture. This Lily does not object to a little lime. Our bulbs of this splendid Lily are grown in northern France, and are of the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the cheap, loose, southern-grown bulbs.

	Each	Doz.	100
<b>First Size</b> .....	\$0 35	\$3 50	\$25 00
<b>Mammoth Bulbs</b> .....	40	4 00	30 00
<b>Jumbo Bulbs</b> .....	50	5 00	40 00



*Lilium candidum*



*Lilium auratum* (Golden-rayed Lily of Japan)

## LILIUM AURATUM

**The Golden-rayed Lily of Japan**  
November and December Delivery

One of the finest and most popular of the hardy garden Lilies. It thrives best in locations where the lower portion of the plant will be partially sheltered from the hot sun, as among peonies or herbaceous plants in the hardy border, where groups of six to twelve of these Lilies produce a stately and magnificent effect. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

	Each	Doz.	100
9 to 11 in. in circum.....	\$0 45	\$4 50	\$35 00
11 to 13 in. in circum.....	65	6 50	50 00

## LILIUM REGALE (A Regal Beauty)

October Delivery

The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is fascinating, similar to the jasmine. A splendid hardy Lily for the garden, flowering about July 1. **First Size, 50 cts. each, \$5 per doz., \$40 per 100. Mammoth Bulbs, 75 cts. each, \$7.50 per doz., \$60 per 100.**

**Lilium speciosum magnificum.**

**Oriental Orchids. November and December delivery.** Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson.



*Lilium speciosum magnificum*

A much superior variety to the Roseum, Rubrum or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the *Lilium auratum* offered on the previous page. Splendid for pot culture as well. Blooms outside during August.

	Each	Doz.	100
9 to 11 in. in circum.....	\$0 45	\$4 50	\$35 00
11 to 13 in. in circum.....	65	6 50	50 00

**Lilium speciosum album** Nov. and Dec. Delivery

The white Speciosum, which is usually grown with Magnificum and *Lilium auratum*, is a very dainty Lily.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 45	\$4 50	\$35 00
9 to 11 in. in circum.....	65	6 50	50 00

**OTHER HARDY LILIES** October Delivery

**HENRYI.** Similar to Speciosum. Beautiful orange-yellow flowers with a green band. Hardy and easy to grow, blooming in August and September. **75 cts. each, \$7.50 per doz., \$60 per 100.**

**HUMBOLDTII.** This beautiful Californian Lily bears its attractive drooping flowers in triangular clusters of brilliant golden yellow, spotted with purple on the reflexed petals. Prefers rich well-drained soil so as to permit the basal roots to penetrate easily. Blooms in June and July. **75c. ea., \$7.50 per doz., \$60 per 100.**

**PARDALINUM.** A California variety bearing twelve to thirty flowers on stems 4 to 6 feet high, bright orange, spotted dark crimson. Flowers in July. **40 cts. each, \$4 per doz., \$30 per 100.**

**SUPERBUM.** A native type growing 3 to 6 feet high, frequently bearing twenty to thirty flowers of a brilliant orange-red. Blooms in July. **30 cts. each, \$3 per doz., \$20 per 100.**

**TESTACEUM.** This variety, also known as *L. excelsum*, and the Nankeen Lily, is what might be termed one of the choicest of the border Lilies. The color of the flower, an even tone of dull apricot, is greatly enhanced by its glowing orange anthers. When established it frequently attains a height of 6 to 7 feet. It blooms in June and July. The same cultural requirements that apply to *L. candidum* are recommended for this variety. It should be covered 2 inches above crown. **Extra-strong bulbs, \$2.50 each, \$25 per doz., \$180 per 100.**

**TIGRINUM, Single** (Single Tiger Lily). Orange-red, spotted black. **30c. each, \$3 per doz., \$20 per 100.**

**TIGRINUM, Double** (Double Tiger Lily). **30 cts. each, \$3 per doz., \$20 per 100.**

## **LILY BULBS FOR INDOOR GROWING**

### **CALLA LILIES**

These like a stiff, clayey soil with a small quantity of shredded cow-manure. Bulbs should be set with the crown, or top, protruding just above the surface. When in growing condition, warm water given several times during the week will hasten the flowering period and increase the number of blooms. When using the large-sized bulbs, plant but one in a pot; smaller ones, two. We call especial attention to the Yellow Calla, which is one of the grandest varieties in cultivation, and most valuable for house or conservatory decoration. See the description below. Plant Callas indoors only in the fall of the year.

**WHITE CALLA LILY—**

	Each	Doz.	100
<b>Jumbo size</b> .....	\$0 50	\$5 00	\$40 00
<b>Mammoth size</b> .....	40	4 00	30 00
<b>First size</b> .....	25	2 50	20 00

**YELLOW CALLA LILY.** A grand novelty—one that should be planted extensively. The deep golden yellow flowers are truly magnificent and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty.

	Each	Doz.	100
<b>First-size bulbs</b> .....	\$0 40	\$4 00	\$30 00
<b>Mammoth bulbs</b> .....	50	5 00	40 00

### **EASTER LILIES**

We offer three types of the Longiflorum Lily usually grown by the florist. Of the three types we recommend *Lilium formosum* as the best for private conservatory growing.

**LILium HARRISII—**

	Each	Doz.	100
7 to 9 inches in circumference.....	\$0 50	\$5 00	\$40 00
9 to 11 inches in circumference.....	75	7 50	60 00
11 to 13 inches in circumference.....	1 00	10 00	80 00

**L. LONGIFLORUM FORMOSUM—**

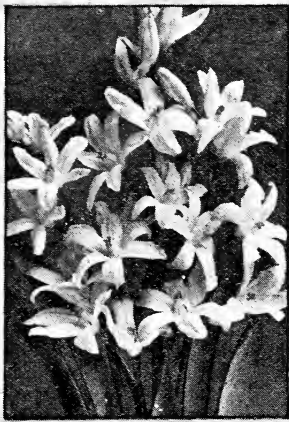
We have contracted for and expect some of each of the following sizes about Sept. 1.

	50	5 00	40 00
7 to 9 inches in circumference.....	75	7 50	60 00
9 to 10 inches in circumference.....	90	9 00	70 00
11 to 13 inches in circumference.....	1 00	11 00	80 00

**L. LONGIFLORUM GIGANTEUM—**

We have contracted for and expect some of each of the following sizes to arrive October or early November.

	40	4 00	30 00
7 to 9 inches in circumference.....	55	5 50	45 00
9 to 10 inches in circumference.....	75	7 50	60 00



Chionodoxa Luciliae



Fritillaria Meleagris



Grape Hyacinths



Spanish Iris

## ANEMONES (Windflower)

These popular flowers of French origin are exceedingly useful as a decorative plant for house or garden, and fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter; they may also be planted in the spring in well-drained soil, and will flower during the summer, starting in May. When planted in pots, place twelve or more in a cluster and store away, if possible, in a coldframe until February 1; if carefully watered, when brought into the house they will flower abundantly.

**St. Brigid.** We offer a selection of these very popular Anemones, so frequently seen in the florists' shops in the early springtime, from a grower who has specialized in developing a magnificent strain of this popular bulbous plant. The flowers are unusually large, semi-double, with finely divided petals, and of most unusual colors, all showing a handsome blue-black central blotch. They are borne on stems that frequently attain a height of 1 foot. There is a wide range of rich and brilliant colors in this magnificent strain. \$1.50 per doz., \$10 per 100.

**Excelsior Mixture.** We consider this the finest strain of single-flowering Anemones as yet raised. The plants are taller in growth than the St. Brigid and more single. They contain many fine shades of blue, white, and scarlet. \$1 per doz., \$7.50 per 100.

## CHIONODOXA (Glory-of-the-Snow)

An early-flowering spring bulb for borders or rockery. Produces flower-spikes bearing ten to fifteen scilla-like flowers. Perfectly hardy and should be planted close together for effect.

<b>Luciliae.</b> Deep blue, with a white center. Doz.	100	1,000
Selected mother bulbs.....	\$0 60	\$4 00
<b>Luciliae alba.</b> Beautiful white form of the above.....	75	6 00
<b>Sardensis.</b> The gentian-blue; very striking.		55 00
Selected mother bulbs.....	60	4 00
		35 00

## CYPRIPEDIUM

**Acaule** (Pink Lady's-slipper; Moccasin Flower). This beautiful native plant is an excellent subject for a damp, shady situation, woodland or shaded paths, and planted among ferns. It grows about 1 foot high and produces a large, showy, rose-purple bloom. The flowers appear to best effect when the plants are about 8 inches apart, and they should be planted about 3 inches deep. Prefers a mulch of pine or hemlock needles until it becomes established. \$6 per doz., \$40 per 100.

**Pubescens.** This is the large yellow Lady's-slipper or Moccasin Flower. Its showy, fragrant blooms are produced at the top of a leafy stem. These little plants are very attractive planted in colonies and are excellent for the woodland path or among sheltered evergreens. \$6 per doz., \$40 per 100.

## DELPHINIUMS

### Stumpp & Walter Co.'s Gold Medal Hybrids

In all the list of hardy plants there has been, perhaps, no greater improvement in varieties than in the lovely hardy Larkspur which contributes so much to the June hardy border. The Delphinium plants which we offer are grown at our own grounds, from seed saved from the finest exhibition plants. They will produce flowers varying from palest blue to the deepest shade of gentian blue, also shades of sapphire and imperial purple. We offer large, extra-strong, field-grown clumps, mixed colors only, at \$1.50 each, \$15 per doz., \$100 per 100.

## DIELYTRA (Dicentra spectabilis)

### Bleeding Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. It is used largely for forcing, but is also excellent for the garden border and especially valuable for planting in the shade. A splendid pot-plant for winter blooming in the greenhouse or conservatory. Strong clumps, 75 cts. each, \$7.50 per doz., \$60 per 100.

## ERANTHIS HYEMALIS (Winter Aconite)

Early in spring the golden blossoms look charming, resting on an emerald-green cushion of leaves, and forming a striking contrast to the snowdrops, scillas, and chionodoxas. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees, which the Winter Aconite enjoys, and where few other flowering plants will thrive. 3 to 8 inches high. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

## EREMURUS

This noble and rare bulbous plant from Turkestan is one of the choicest subjects for the permanent hardy border. It thrives best in a well-drained, sheltered, sunny position, and prefers a deep sandy loam to which has been added a liberal quantity of well-rotted cow-manure. A covering of 4 to 5 inches of leaves or litter will be beneficial and will save the young shoots, which start early, and are liable to be damaged by late frosts. It produces a tall, majestic flower-stalk, frequently 8 to 10 feet in height, which rises from a crowded tuft of narrow leaves and is crowned by a flower-spike 2 to 3 feet long, composed of closely set bell-shaped flowers which are quite star-like in effect. The colors are tones of rose, yellow, and white. Due to the pyramidal form of the flower-spikes they are excellent for the rear of the hardy border where columnar effect is desired.

<b>Bungei.</b> Very beautiful, deep yellow flowers in July. Each	10	
A strong grower, reaching a height of 6 feet.....	\$3 00	\$27 50
<b>Elwesi.</b> Beautiful soft pink blooms in June. Broad green foliage. A very vigorous growing variety reaching a height of 10 to 12 feet.....	4 00	35 00
<b>Elwesi albus.</b> Pure white form of the above.....	6 00	55 00
<b>Himalaicus.</b> Waxy white flowers with golden anthers. Height 6 to 8 feet.....	2 00	19 00
<b>Him-Rob.</b> This is a hybrid between <i>E. himalaicus</i> and <i>E. robustus</i> , producing 8 to 10-foot stems with flower-spike 3 to 4 feet long, closely set, with large flowers of pale silvery pink. Blooms in June.....	2 50	23 00
<b>Robustus.</b> Rosy pink flowers in June on 8 to 10-foot stems. Strong grower.....	4 00	35 00
<b>Shelford.</b> The coppery yellow flowers are closely arranged on a 6-foot stem and almost clothe half of it.....	4 00	35 00
<b>Tubergeni.</b> Light yellow flowers, closely placed on a 7-foot stem, are borne in July.....	6 00	55 00
<b>Warel.</b> The general color of the flowers is salmon-buff, with shadings of yellow, pink, and orange. A strong grower and a reliable bloom, with spikes 8 feet high in July.....	10 00	95 00





Anemone, St. Brigid. See page 28

Cypripedium acaule. See page 28

Eremurus. See page 28

Leucojum vernum

## ERYTHONIUM AMERICANUM

### Dog's-tooth Violet

This charming native woodland plant is particularly suitable for the shady dell or woodland and is fine for shaded corners or the rock-garden. It produces, in April, small, lily-like flowers, which vary in color through shades of white, pink, bright yellow, rose, and cream. The beauty of the flowers is greatly enhanced by the richly mottled leaves. They seem to like a light, rather moist, well-drained soil. The bulbs should be planted about 5 inches deep. \$12 per 100.

## FRITILLARIA IMPERIALIS

### (Crown Imperials)

Well-known hardy border plants, bearing clusters of immense, pendent, bell-shaped flowers, surmounted with a tuft of green leaves. They are excellent for hardy borders and may be left undisturbed for years.

	Each	Doz.	100
<b>Aurora.</b> Orange.....	\$0 35	\$3 50	\$25 00
<b>Crown on Crown.</b> Several whorls of red flowers, one above the other.....	35	3 50	25 00

## FRITILLARIA MELEAGRIS

Singular, dwarf, spring-flowering plants, bearing large, pendent bell-shaped flowers of various colors, in yellow, white, black, purple, striped and splashed, and checkered in the most curious way. They are invaluable for pot culture, and exceedingly pretty when grown in large groups in the garden border or wild garden in a dry situation.

	Doz.	100	1,000
<b>Alba.</b> White.....	\$1 00	\$8 00	\$75 00
<b>Calypso.</b> Purple.....	1 00	8 00	75 00
<b>Mixed.</b> Select mixtures.....	80	6 00	55 00

## GLADIOLUS COLVILLEI

Delivery in October and November

**Blushing Bride.** A very delicate pink with bright carmine blotch in the throat. 80 cts. per doz., \$7 per 100, \$60 per 1,000.

**Peach Blossom.** A very lovely shade of soft pink on the order of the Killarney rose. 80 cts. per doz., \$7 per 100, \$60 per 1,000.

## GRAPE HYACINTHS

Very beautiful little flowers for planting in masses, either in shade or where exposed to the sun. When planted out in herbaceous borders, where they can be left undisturbed, they do exceedingly well, each year adding to their already profuse-blooming qualities. Bloom outdoors during May. They are also excellent for pot culture.

**Heavenly Blue.** This variety is the largest and best of the Grape Hyacinths. The bells are large and form a fine truss. Splendid effects are produced by massing in the garden or border. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

**Albun.** A very beautiful white form of the above and excellent to use for contrasting with Heavenly Blue. 85 cts. per doz., \$6 per 100, \$55 per 1,000.

## BULBOUS IRISES (Spanish and Dutch)

We are listing below what we believe to be the best distinct colors in Spanish and Dutch Irises, as well as several hybrid forms, as Filifolia and Tingitana. They are excellent for growing under glass and may be grown in the garden also. When planted outdoors they should be covered with a heavy mulch and the bulbs planted in a well-drained border, about 5 inches deep.

**Anton Mauve.** Very popular, splendid Dutch Iris. It is a uniform soft blue, and the flower very large and substantial. 90 cts. per doz., \$7 per 100, \$65 per 1,000.

**Cajanus.** Considered as being the finest uniform bright yellow Spanish Iris. 90 cts. per doz., \$7 per 100, \$65 per 1,000.

**D. Haring.** One of the finest Dutch Irises. A pure uniform white. 90 cts. per doz., \$7 per 100, \$65 per 1,000.

**Imperator.** Popular for indoor growing. It is rich deep dark blue and a strong grower; a magnificent specimen when well grown. \$1 per doz., \$8 per 100, \$75 per 1,000.

**Tingitana.** Similar to Imperator, but the flower is a shade lighter blue. It is excellent for pot culture; if well rooted and allowed to come gently will flower indoors in March. \$1.75 per doz., \$12 per 100, \$100 per 1,000.

**Van der Helst.** A beautiful variety of Dutch Iris which may be best described as a uniform sulphur-yellow. 90 cts. per doz., \$7 per 100, \$65 per 1,000.

**Wedgwood.** This Iris somewhat resembles Imperator, only the flowers are much larger and are borne on taller stems. It is one of the finest Irises in our list for forcing indoors. If planted in regular flower-pots or deep azalea-pans by October 1, these bulbs may be had in bloom by the middle of February. A grower who has had record success in the forcing of the Irises suggests that the bulbs be planted in deep azalea pans or flower-pots because they require considerable depth of soil for the bulbs to develop a deep root system. They should be watered sparingly until the flower-buds show, after which a light application of liquid manure will insure best results. It is also advisable to give them a temperature of 45 to 50 degrees when they are brought into the greenhouse. After the flower-buds show they may be brought into a temperature up to 70 degrees in order to hasten blooming-time. \$4 per doz., \$25 per 100, \$225 per 1,000.

## IXIAS

The Ixia is a beautiful little winter-flowering bulb, with long, slender, graceful spikes of bloom. The colors are rich, varied and beautiful, the center always differing in color from the other parts of the flower, so that the blossoms, expanding in the sun's rays, present a picture of gorgeous beauty. Very desirable for pots.

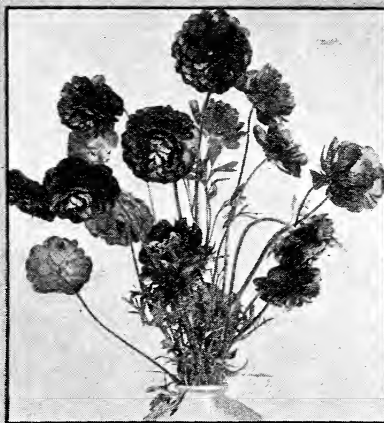
	Doz.	100
<b>Althæa.</b> Large; white, with purplish carmine eye.....	\$0 85	\$6 00
<b>Aurantiacia major.</b> Golden yellow, large dark eye....	85	6 00
<b>Craterioides major.</b> Bright scarlet; very early.....	1 30	10 00
<b>Hubert.</b> Deep maroon; very beautiful.....	70	5 00
<b>Mozart.</b> Pink; lovely color.....	85	6 00
<b>Finest Mixed</b> .....	50	3 50

## LEUCOJUM VERNUM (Spring Snowflake)

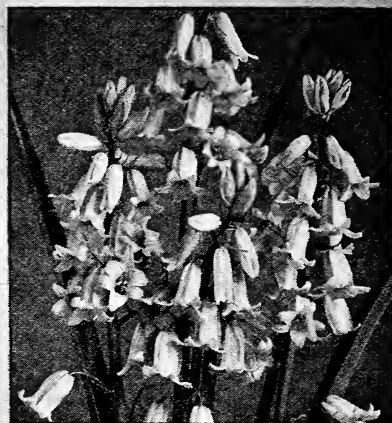
This pretty bulbous plant is similar to the snowdrop but of larger, stronger, and more attractive habit. In rich soil it grows to a height of 8 inches and produces, in late April, beautiful large white flowers, tipped with green, that are excellent for cutting. When once planted they take care of themselves, and should be in all hardy plant collections. They also do well in pots. \$1 per doz., \$7 per 100.



Snowdrops



Ranunculus



Scilla nutans

## OXALIS

An unrivaled winter-flowering pot-plant of the easiest culture, succeeding with everybody

This is one of the finest flowering plants for pot culture that we have ever seen. It is such a strong, luxuriant grower that five or six bulbs will be sufficient for a 6 or 8-inch pot. Place in a dark, cool position for several days to root thoroughly, and remove to a sunny situation in the window or conservatory in a temperature of about 60 degrees Fahr., and the great profusion of bloom produced in uninterrupted abundance for weeks will astonish and delight you.

**Large-flowering.** We have a very fine strain of these Oxalis. Flowers are large, and they may be had in blossom, by successional plantings, from October until May. We have four colors—Yellow, Pink, White, and Lavender. 50 cts. per doz., \$3.50 per 100.

## RANUNCULUS

The bulbs of Ranunculus resemble tiny clumps of dahlia roots. They look as much like spiders as anything. The flowers are extremely double, almost globular, regular in outline, often exceed 2 inches in diameter, and are to be had in all the colors except blue. The colors are bright, clear, and pure.

The Ranunculus requires much the same consideration as the anemone. Actually, it is less hardy. Except in sheltered spots, say near a house where it can lie fairly dry and be protected, the Ranunculus is not for eastern gardens. It is splendid for indoor culture, however, doing well in a cool greenhouse and may be carried over in a coldframe if protected with dry leaves or mats. It may also be planted in pots or boxes and kept in a well-protected frame until February, after which a cool greenhouse or sun parlor will ensure early bloom. It will not stand heat, therefore cannot be recommended as a room subject.

**French Mixed.** We offer a mixture of all colors of the French Ranunculus at \$1 per doz., \$7 per 100, \$65 per 1,000.

## SNOWDROPS

These elegant little flowers, the first to open in spring, should be found in every garden, not only because they are the earliest spring flowers, but because they are the loveliest. The Snowdrop thrives in almost any situation or soil, and should be planted as early in the autumn as possible, as they suffer much if left long out of the ground.

	Doz.	100	1,000
<b>Single Snowdrops.</b> Selected bulbs.....	\$0 70	\$5 00	\$48 00
<b>Double.</b> Selected bulbs.....	80	6 00	58 00

## SCILLA campanulata (Wood Hyacinth)

Bears spikes, 15 inches high, of bell-like flowers, during early May. Plant 5 or 6 inches deep in shady situations. Very effective for borders; will grow under fir or pine trees.

**Alba maxima.** Clear white, with very fine, large bells. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

**Blue Queen.** Erect spikes of porcelain-blue flowers; strong grower. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

**Excelsior.** Bright deep blue, with large bells. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

**Rose Queen.** Bells of soft lilac-rose; very pretty. \$1 per doz., \$7.50 per 100, \$70 per 1,000.

## Scilla sibirica (Siberian Squill)

Spikes 3 to 4 inches high, of small, drooping, bell-like flowers. Fine for massing in borders or naturalizing. Plant 3 to 4 inches deep. Blooms in April.

**Blue.** Splendid for massing. Jumbo bulbs, 80 cts. per doz., \$6 per 100, \$58 per 1,000.

**White.** A variety sometimes used for interspersing with the blue sorts. 80 cts. per doz., \$6 per 100, \$58 per 1,000.

## Scilla nutans (English Bluebell)

The flowers of this lovely Scilla are similar in type to *S. campanulata* listed opposite, but spikes are not as tall and are more arching in character. Visitors to the English countryside during daffodil time will doubtless remember this pretty flower which is a native of their woodlands and blooms the same time as the daffodils. 40 cts. per doz., \$3 per 100, \$25 per 1,000, \$225 per 10,000.

## TRILLIUM

**Grandiflorum.** This beautiful native woodland plant grows from 8 to 12 inches high and produces large white flowers, turning lilac with age, frequently 2 to 2½ inches long by 2 inches wide. It is becoming extremely popular for garden planting. We offer large, strong clumps at \$2 per doz., \$15 per 100.

**Stylosum.** Similar to the above but somewhat smaller and has pink flowers. \$2 per doz., \$15 per 100.

## TRITONIA CROCATA

This beautiful Cape Bulb is produced in California and is usually treated as a greenhouse bulb and handled like the freesia, which it somewhat resembles in its foliage. The lively orange-red flowers are borne on slender stems in racemes and are about 2 inches across. Splendid pot-plant. 80 cts. per doz., \$6 per 100, \$50 per 1,000.

## WATSONIA (October Delivery)

For growing in pots or pans, treat similar to gladiolus, using good, rich, well-drained soil and watering sparingly until established. They should be grown in a cool house at about carnation temperature—do not try to force until pots are full of roots and show flower-spike. Then a warmer temperature may be given. If carefully handled, they will bloom late in February. Bulbs give best results if potted immediately on receipt. For coldframes, plant 6 inches apart and treat same as gladiolus. Do not allow frost to enter frames. If planted in October in frames, they may be had in bloom in May.

	Doz.	100
<b>America.</b> Delicate pink.....	\$6 50	\$50 00
<b>Cream Cup.</b> Creamy white, shaded darker .....	6 50	50 00
<b>Estrella.</b> A tall-growing variety, creamy white in color, with deeper shading on the outside.....	6 50	50 00
<b>Eunice.</b> Light salmon-pink petals veined with a deeper shade.....	8 00	65 00
<b>Edward Sturtevant.</b> Orange-red, veined deeper....	8 00	65 00
<b>Hazel.</b> Orange-pink, throat marked white with a deep orange stripe through the petals.....	6 50	50 00
<b>Lillian Benner.</b> A tall-growing variety of rosy mauve with deeper veining.....	6 50	50 00
<b>Mrs. J. J. Dean.</b> Rose-pink with deeper shadings. A medium-tall grower.....	6 50	50 00
<b>Santa Cruz.</b> Deep rose, shaded white in throat, with petals striped with darker rose.....	9 00	70 00
<b>Victory.</b> Salmon-red, darker on edge of petals.....	6 50	50 00

# German Iris, Japanese Iris, Herbaceous Peonies

*The Best Three Hardy Perennials Which do Best if Planted in the Autumn*

We offer below 13 varieties of German Iris, also the Siberian Blue, 12 varieties of Japanese Iris, and 20 of the best varieties of Herbaceous Peonies.

## GERMAN IRIS (*Iris germanica*)

- Aurea.** Rich chrome-yellow. The finest pure yellow. 30 cts. each, \$3 per doz., \$20 per 100.
- Fairy.** Standards and falls white, delicately bordered and suffused soft blue. Very beautiful. 30 cts. each, \$3 per doz., \$20 per 100.
- Gracchus.** Standards clear yellow; falls crimson, reticulated white. A very conspicuous variety. 30 cts. each, \$3 per doz., \$20 per 100.
- Khedive.** Standards beautiful soft lavender; falls white, veined brown. 30 cts. each, \$3 per doz., \$20 per 100.
- Lent A. Williamson.** Standards lavender-violet; falls royal purple. Large flowers on strong, stout stems. 60 cts. each, \$6 per doz., \$40 per 100.
- Mother of Pearl.** A uniform soft lavender with a faint creamy undertone. Large flowers of exceptional substance and perfect form. The finest new Iris. 75 cts. each, \$7.50 per doz., \$60 per 100.
- Pallida, Albert Victor.** Standards soft blue, falls beautiful lavender. 30 cts. each, \$3 per doz., \$20 per 100.
- Pauline.** Standards and falls are a rich pansy-violet. A variety of decided perfume. 20 cts. each, \$2 per doz., \$15 per 100.
- Perfection.** Standards light blue; falls dark violet. A very free-flowering variety and an excellent one for the garden. 40 cts. each, \$4 per doz., \$30 per 100.
- Princess Victoria Louise.** Standards sulphur-yellow; falls rich plum, bordered cream. 30 cts. each, \$3 per doz., \$20 per 100.
- Quaker Lady.** Standards are a smoky lavender with yellow shadings; falls blue and gold. 35 cts. each, \$3.50 per doz., \$25 per 100.
- Queen Alexandra.** Standards fawn, shot with lilac; falls bronze, yellow beard. 30 cts. each, \$3 per doz., \$20 per 100.
- Rhein Nixe.** A variety with snowy white standards and falls of violet-blue. 35 cts. each, \$3.50 per doz., \$25 per 100.
- Siberian Blue.** Clear sky-blue. While not of a German Iris type, flowers same time and is a wonderful border variety. 30 cts. each, \$3 per doz., \$20 per 100.

## JAPANESE IRIS

The Japanese Iris usually flowers after the German. They are much admired on account of their variety of color and large size. Six-petal varieties are termed double; three-petal varieties, single.

- Azure.** Double. Immense flower of mauve-blue with a darker halo surrounding the yellow blotch at base of petals.
- Chosoidan.** Double. Ruby-crimson, marked white and yellow.
- Gold Bound.** Double. Pure white. One of the best.
- Grace Sperling.** Single. Hortense-violet; petaloid stigmas light Hortense-violet. Very early. Extra fine.
- Kamata.** Single. Sky-blue, veined white.
- La Favorite.** Double. White, veined blue; purple center.
- Mrs. George Stumpp.** Single. White, with a cast of blue.



German Irises

- Painted Lady.** White center, blotched light purple.
- Red Riding Hood.** Single. Amaranth, veined and suffused white.
- Rose-Anna.** Double. Ivory-white, heavily veined ruby-red.
- Templeton.** Double. Light violet, mottled reddish pink and white.
- Violet Beauty.** Single. White and pale Hortense-violet.

Any of the above, 50 cts. each, \$5 per doz., \$35 per 100

## HERBACEOUS PEONIES

We offer twenty fine varieties of this beautiful hardy perennial. The roots are 3 to 5-eye divisions, and if planted during October and November will make strong plants next year. Specialists in this lovely flower prefer fall to spring planting.

- Albatre.** Milk-white, shaded ivory; center petals tinged lilac. \$1 each, \$10 per doz.
- Albert Crousse.** Large; compact; rose-white, flecked crimson. \$1.25 each, \$12.50 per doz.
- Alexandre Dumas.** Light violet-rose; creamy white collar of narrow petals. 75 cts. each, \$7.50 per doz.
- Couronne d'Or.** Pure white; tuft of center petals tipped carmine. 75 cts. each, \$7.50 per doz.
- Duchesse de Nemours.** White crown; sulphur-white collar. 75 cts. each, \$7.50 per doz.
- Felix Crousse.** Large, globular, typical bomb type. Brilliant red. 75 cts. each, \$7.50 per doz.
- Festiva Maxima.** Large globular type; pure white, center prominently flecked crimson. Popular variety for cut-flowers. 75 cts. each, \$7.50 per doz.
- James Kelway.** Very large, loose rose type. Rose-white, changing to milk-white, tinged yellow at base of petals. \$1.25 each, \$12.50 per doz.
- Karl Rosenfield.** Semi-rose type. Midseason. Brilliant dark crimson. Somewhat darker than Felix Crousse. \$1 each, \$10 per doz.
- Lady Bramwell.** Soft silvery pink, even tone, very beautiful. 75 cts. each, \$7.50 per doz.

- L'Indispensable.** Lilac-white, shading to pale violet-rose toward center. \$1 each, \$10 per doz.
- Livingstone.** Pale lilac-rose, with silver tips; central petals flecked carmine. \$1.25 each, \$12.50 per doz.
- Marguerite Gerard.** Pale hydrangea-pink, fading to nearly white; central petals flecked carmine. \$1 each, \$10 per doz.
- Mme. Calot.** Pale hydrangea-pink; center shading darker; collar tinged silver. \$1 each, \$10 per doz.
- Mme. Coste.** Guards and center hydrangea-pink; collar cream-white. 75 cts. each, \$7.50 per doz.
- Mme. Crousse.** Pure white; center flecked crimson. \$1 each, \$10 per doz.
- Mme. de Verneville.** Blush when opening, fading pure white; prominent carmine specks. 75 cts. each, \$7.50 per doz.
- Mons. Jules Elie.** Glossy lilac-pink. \$1.50 each, \$15 per doz.
- Philomele.** Guard bright violet-rose; center of narrow amber-yellow petals. \$1 each, \$10 per doz.
- Solange.** Outer petals delicate lilac-white, deepening toward the center, with a salmon shading. This variety is regarded by the American Peony Society as one of the best three in the world today. \$4 each, \$40 per doz.

# Flower Seeds for the Greenhouse

## ANTIRRHINUM (Snapdragon)

The Finest Varieties for Greenhouse Culture

<b>Copper King</b> (Indian Summer). A new and bewitching color never before seen in Snapdragons—a lovely rich velvety and glossy copper color.....	5 pkts. \$1.50	25	
<b>Geneva Pink</b> . Rose-pink.....	1 00	\$5 00	
<b>Golden Pink Queen</b> . Golden pink.....	1 00	5 00	
<b>Helen</b> . Salmon-pink.....	1 00	5 00	
<b>Jennie Schneider</b> . Perhaps the most popular pink of the Columbia rose shade. An early and continuous bloomer.....	2 00	10 00	
<b>Nelrose</b> . Deep pink.....	75	4 00	
<b>Orlando</b> . Bronze.....	1 00	5 00	
<b>Penn Orange</b> . A most brilliant orange—like the color of the tangerine orange—something fine and different.....	2 00	10 00	
<b>Philadelphia Pink</b> . Pure glowing pink.....	1 00	5 00	
<b>Silver Pink</b> . Pale pink.....	1 00	5 00	
<b>White Rock</b> . An unusual new and extra-early blooming pure white.....	2 00	10 00	

**ASPARAGUS plumosus nanus**. Graceful, fern-like foliage; grown by florists for decoration. **Full Greenhouse Grown**. Pkt. 25c., 100 seeds \$1.

**Sprenger**. Of more drooping and coarser habit; excellent for hanging-baskets. Pkt. 25 cts., oz. \$1.

**BROWALLIA speciosa major**. A beautiful flowering variety of the most brilliant ultramarine-blue—a rare color. Especially valuable as a pot-plant for winter and early spring flowering. Pkt. 25 cts.

**CALCEOLARIA**. These beautiful decorative pot-plants are grown by a famous English Calceolaria specialist, and are the finest in existence. Pkt.

<b>Albert Kent</b> . Bright golden yellow with a maroon blotch.....	5 pkts. \$1.50	25	
<b>S. &amp; W. Co.'s Giant Strain</b> .....		50	
<b>Rugosa, Mixed</b> . Shrubby. Small-flowering, for bedding....		50	

## CALENDULA OFFICINALIS FL.-PL.

(Pot Marigold)

<b>Orange King</b> . A very beautiful deep shade of orange-yellow.....	Pkt. 25	1/2 oz. \$1 00	Oz. \$1 50
<b>Lemon King</b> . Pale yellow form of the above.....	25	1 00	1 50
<b>The Ball</b> . Double orange-yellow.....	25	1 50	2 75

## CANDYTUFT

**Giant Hyacinth**. The finest giant-flowering white variety, bearing large trusses of pure white flowers. Pkt. 15c., 1/4 oz. 60c., oz. \$2.

**S. & W. Co.'s Large-flowered**. Carmine, Lavender, Crimson, Flesh-Pink, Rose-Cardinal. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

## CLARKIA ELEGANS

We list the finest single as well as double-flowering varieties for greenhouse growing.

<b>Single Rose</b> .....	Pkt. \$0 10	1/2 oz. \$0 30
<b>Single White</b> .....	10	30
<b>Single Mixed</b> .....	10	25
<b>Double Salmon Queen</b> .....	10	50
<b>Double Crimson King</b> .....	15	50
<b>Double Purple King</b> .....	15	50
<b>Double Scarlet King</b> .....	15	50
<b>Double White King</b> .....	15	50
<b>Double Mixed</b> .....	15	40

## GIANT SWEET SULTAN (Centaurea imperialis)

Our strains of Sweet Sultans are grown by a great many florists and gardeners, and are pronounced *par excellence*. Splendid for forcing under glass.

<b>S. &amp; W. Co.'s Pure White</b> . One of the best varieties for cutting; large and deliciously sweet-scented.....	Pkt. \$0 15	1/2 oz. \$0 50
<b>Pink</b> . Pink with white tinge.....	15	50
<b>Lilac</b> . Delicate lilac.....	15	50
<b>Purple</b> . Purple-rose.....	15	50
<b>Red</b> . New deep amaranth-red.....	15	50
<b>Yellow</b> (Suaveolens). Yellow.....	15	50

COLLECTION: 1 pkt. each above 6 colors, 50 cts.

## CORNFLOWER (Centaurea Cyanus)

This favorite flower is frequently grown under glass for Christmas flowering. Sow in September. We offer the new Double Strain.

<b>Double Blue</b>	<b>Double Maroon</b>	<b>Double White</b>
<b>Double Rose-Pink</b>	<b>Double Mauve</b>	<b>Double Rosy-Red</b>
Pkt., any of the above, 10 cts., 1/4 oz. 30 cts., oz. 75 cts.		

## CINERARIA

Seed should be sown from May to September where a succession is desired. When sown at this time, fine plants may be secured. The main point in the culture of Cinerarias is to secure as hardy a growth as possible with leaves of medium size. Seed may be transferred direct from seed-pans to thumb-pots. After planting, place in cold-frame facing north, if possible. As pots become full of roots, shift to larger ones until flowering size is reached.

**S. & W. CO.'S GIANT-FLOWERING MIXED**. The flowers seldom measure less than 3 inches in diameter, comprising the following colors: White, rose, flesh, crimson, blue, violet, etc. The plants are of a robust dwarf habit, and a mass of giant blooms. Pkt. 50c.

**Sky-Blue, Dark Blue, Flesh-color, and White**. Each, pkt. 50 cts. **S. & W. CO.'S STELLATA**. Delicate star-like blooms are borne in great profusion on long stems, giving this variety a double use, as it is excellent for cutting as well as decorative purposes; all shades. **Tall Mixed**. Pkt. 50 cts. **Dwarf Mixed**. Pkt. 50 cts.

## GIANT-FLOWERING CYCLAMEN

We offer a greatly improved European Strain from one of the greatest specialist in this excellent pot plant.

<b>Bright Red</b> .....	Pkt. \$0 25	50 seeds \$1 50	100 seeds \$2 50
<b>Pure Rose</b> .....	25	1 50	2 50
<b>White with Carmine Eye</b> .....	25	1 50	2 50
<b>Lavender</b> .....	25	2 00	3 50
<b>Salmon Color, Dark</b> .....	25	2 00	3 50
<b>Salmon Color, Light</b> .....	25	2 00	3 50
<b>Salmon-Rose, Improved</b> .....	50	2 50	4 00
<b>Salmon-Scarlet (Christmas Color)</b> .....	50	3 00	5 00
<b>Saffron-Red</b> .....	50	2 50	4 00
<b>Pure White</b> .....	25	1 50	2 50

**DIDISCUS cærulea** (Queen Anne's Lace Flower). Pale lavender flowers. Excellent when grown as a cut-flower. Pkt. 25c., 5 pkts. \$1.

## DIMORPHOTHECA (African Golden Daisy)

The plants are of branching habit, growing about 15 inches high and the flowers are a rich golden orange with a dark center.

<b>Aurantiaca</b> . Golden orange.....	Pkt. \$0 10	1/2 oz. \$0 50
<b>Aurantiaca hybrida</b> . New hybrids of the African Golden Daisy and similar in habit to the parent. The flowers are equally as large, but vary from purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disc.....	10	50

## LARKSPURS, ANNUAL

Many professional gardeners prefer to sow their Annual Larkspurs in the late autumn. When grown in a greenhouse they are also splendid for cutting purposes during the winter months.

**Ten Fine Varieties—Defiance** (scarlet), **Attraction** (rose), **King of the Blues** (dark blue), **Exquisite** (pink), **Snowstorm** (white), **Stella** (sky-blue), **Violet Queen** (violet), **Lilac Perfection** (violet), **Loveliness** (shell-pink), **Tricolor** (variegated). Price of each variety, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

**LEPTOSYNE Stillmani**. Rich golden yellow flowers on long stems; will bloom in six weeks. Pkt. 15 cts.

**LUPINES**. We list three distinct colors of the Annual Lupines which will be found excellent for greenhouse growing.

**Rose, Rich Blue, White**. Each, pkt. 10 cts., oz. 50 cts.

## MIGNONETTE (Greenhouse-grown)

**S. & W. CO.'S TRIUMPH**. This Mignonette is one of the choicest varieties for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and the individual florets are much larger in size. Seed of this grand variety is grown at our greenhouses, and is saved from the best spikes. Pkt. 50 cts.

**Allen's Defiance**. A popular variety for indoor culture. Very fragrant; fine for cutting. Pkt. 10 cts., 1/4 oz. 50 cts.

## NEMESIA

We are pleased to offer a splendid strain of this beautiful half-hardy annual, principally the large-flowered varieties and one of the dwarf, compact sorts.

**S. & W. Co.'s Orange**. Rich orange.

**S. & W. Co.'s Rose**. Rich rose.

**S. & W. Co.'s Scarlet**. Scarlet.

**S. & W. Co.'s Mixed**. Rich mixture of all the lovely colors that come in this class of plants.

**S. & W. Co.'s Hybrid Blue Gem**. A dwarf variety, for borders.

Each, pkt. 25 cts., 5 pkts. \$1





## NEW EARLY or WINTER-FLOWERING SPENCER SWEET PEAS

We have great pleasure in offering to our patrons a very complete list of Early or Winter-flowering Spencer Sweet Peas. Many of our patrons grew them under glass last fall and produced wonderful results. This, however, is not the only reason Sweet Pea growers have worked to produce the large-flowering strain of Sweet Peas to flower early. This new race of Early-flowering Spencer Sweet Peas are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, Japan, Australia, as well as all tropical or subtropical countries, this strain of Early-flowering Spencers, if sown during the early fall months, will produce flowers during the winter and continue until killed by the extreme heat. This is a distinct advantage over the regular Spencer Sweet Peas which, if sown at the same time, will not begin flowering until April.

**Early Imperial Pink.** New. Destined to become a favorite among florists and professional gardeners for many years to come. A clear pink of enormous size bred up from a line of strong and tested parentage, insuring vigorous growth, long stems, and an abundance of blooms over a long period. **Pkt. 50c., 1/2oz. \$2.50, oz. \$5.**

**Early Blanche Ferry.** Similar to the popular late-blooming pink-and-white variety. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

**Early Blue Bird.** The finest Wedgwood blue; throws a small percentage of dark blue rogues, but grows more vigorously than any other blue, fully a foot higher. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early Bright Light.** The brightest of all scarlets, flaming, rich, and vivid. Pkt. 50 cts., 1/2oz. \$2, oz. \$3.50.

**Early Cream.** Best pale yellow. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

**Early Columbia.** An improved Blanche Ferry, with a deeper rose standard and whiter wings. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early Eldorado.** Beautiful new orange. Pkt. 50c., 1/2oz. \$1.75, oz. \$3.

**Early Giant Rose.** The finest rose-pink, bright and long lasting. Many of the 20-inch stems bear five blossoms. Pkt. 50 cts., 1/2oz. \$2, oz. \$3.50.

**Early Gilda Gray.** Very large flowers on very long strong stalks. The standard is salmon-cerise on pink, wings plumosa-pink, giving a beautiful shining effect. Pkt. 50 cts., 1/2oz. \$2.50, oz. \$5.

**Early Glitters.** One of the finest of its color—bright cerise. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early Grenadier.** Dazzling scarlet. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early Hercules.** Beautiful large rosy pink flowers; vigorous grower; continues to produce flowers when others are out of season. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

**Early Jeanne Mamitsch.** Improvement on Zvolanek's Rose. Pkt. 50 cts., 1/2oz. \$2, oz. \$3.50.

**Early Lavender King.** Rich lavender. Pkt. 25c., 1/2oz. 60c., oz. \$1.

**Early Madonna.** The best black-seeded white variety; easy to germinate. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early Spring Song.** This beautiful large Sweet Pea is a distinct new color, best described as salmon-pink on a cream ground. Awarded Gold Medal at the 1927 New York Spring Flower Show and was a feature exhibit at the 1928 Show as well. Pkt. 50 cts., 1/2oz. \$2.50, oz. \$5.

**Morse's Superior Pink.** The color is a beautiful rose-pink, slightly shaded with salmon. Awarded silver medal at the New York Spring Show, and the highest award of the Chicago Florist Club—Certificate of Merit. Pkt. 25 cts., 1/2oz. \$1.75, oz. \$3.

**Early Mrs. Kerr.** Salmon-pink. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early Queen Crimson.** The brightest and richest early crimson—very brilliant. Pkt. 25 cts., 1/2oz. \$1.75, oz. \$3.

**Early Rose Queen.** A popular rose-pink. Pkt. 25c., 1/2oz. 60c., oz. \$1.

**Early Snowstorm.** White; vigorous. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

**Early Snow-White.** A splendid white of great substance, bearing usually four splendid flowers to a stem. Pkt. 50 cts., 1/2oz. \$2, oz. \$3.50.

**Early True Blue.** Light violet-blue. Pkt. 25c., 1/2oz. 60c., oz. \$1.

**Early White Harmony.** The flowers are large and pure paper-white, of great substance. Black seed. Pkt. 25 cts., 1/2oz. \$1.75, oz. \$3.

**Early Yarrowa.** Vigorous grower. This is still considered among the good pink varieties. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1.

**Zvolanek's Rose.** A fine novelty of recent introduction; rose-pink. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

**Early-flowering Mixed.** A mixture of Early-flowering Sweet Peas covering all the colors. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

## Winter-flowering Beauty Stocks

A magnificent, recently developed strain of early-flowering Winter or Brompton Stocks, forming much-branched plants about 2 feet high and having numerous spikes of very large, double, delightfully fragrant flowers; they are of special value as pot-plants for greenhouse decoration and for cutting during the dull winter months; for this purpose seed should be sown from July to September.

	Pkt.	1/2oz.
<b>Almond Blossom.</b> White, shaded carmine.....	\$0 25	\$1 00
<b>Beauty of Nice.</b> Delicate pink.....	25	1 00
<b>Crimson King.</b> Rich blood-crimson.....	25	1 00

	Pkt.	1/2oz.
<b>Mont Blanc.</b> Purest white.....	\$0 25	\$1 00
<b>Monte Carlo.</b> Canary-yellow.....	25	1 00
<b>Queen Alexandra.</b> Beautiful lilac.....	25	1 00
<b>Summer Night.</b> Rich deep blue.....	25	1 00



**Stai-green**



**Tennis Court**

# **Stumpp & Walter Co.'s Grass Seed Mixtures and Stolons**

We prepay delivery charges on seeds when cash accompanies your order

## **For Lawns**

	Lb.	2½ lbs.	5 lbs.	12½ lbs.	25 lbs.	100 lbs.
<b>Stai-green Lawn Seed.</b> "Best on Earth".....	\$0 65	\$1 55	\$3 00	\$7 25	\$14 00	\$55 00
<b>All-Bent Lawn Formula.</b> For lawns of the finest texture and for bowling-greens .....	1 25	3 00	5 75	13 50	26 00	100 00
	Qt.	4 qts.	8 qts.	½ bus.	Bus.	10 bus.
<b>Shady Place Formula.</b> For lawns under trees...	\$0 60	\$1 90	\$3 50	\$6 25	\$12 00	\$115 00
<b>Terrace Sod Formula.</b> For terraces, hillsides and embankments.....	60	1 90	3 50	6 25	12 00	115 00
<b>Seashore Formula.</b> For lawns subject to the influence of salt spray .....	45	1 50	2 75	4 75	9 00	85 00
<b>High-Grade Lawn Seed.</b> For parks, college grounds and other large areas .....	45	1 50	2 75	4 75	9 00	85 00
<b>Southern Formula.</b> For lawns in the South....	45	1 50	2 75	4 75	9 00	85 00

## **For Lawn Tennis**

	Lb.	2½ lbs.	5 lbs.	12½ lbs.	25 lbs.	100 lbs.
<b>West Side Formula.</b> For tennis and croquet .....	\$0 70	\$1 65	\$3 25	\$7 75	\$15 00	\$57 50

## **For Air-Ports**

**Air-Port Formula.** A formula of exceedingly tough, deep-rooting, soil-binding grasses for landing-fields and runways. \$50 per 100 lbs.

## **For Athletic Fields**

	Lb.	2½ lbs.	5 lbs.	12½ lbs.	25 lbs.	100 lbs.
<b>Hurlingham Sports Formula.</b> A tough grass for athletic sports, polo, baseball, football.....	\$0 65	\$1 55	\$3 00	\$7 25	\$14 00	\$52 50

## **For Golf**

	Lb.	5 lbs.	25 lbs.	100 lbs.
<b>Standard Putting-Green Formula.</b> For dry, light soils.....	\$0 80	\$3 75	\$17 00	\$65 00
<b>Special Putting-Green Bent Formula.</b> For well-prepared, rich soils.....	95	4 50	20 00	75 00
<b>Fairgreen Formula.</b> Superfine Quality.....	70	3 25	14 75	55 00
<b>Fairgreen Formula.</b> Fine Quality.....	55	2 50	11 00	40 00
<b>Special Divot Formula.</b> Always keep a bag in stock.....	65	3 00	14 00	55 00
<b>Special Formula for Tees.</b> .....	65	3 00	13 00	50 00
<b>Special Rough Formula.</b> .....	50	2 25	10 00	35 00
<b>Mixed Fescues for Bunkers.</b> .....	70	3 25	14 75	55 00
<b>Creeping Bent Stolons, Washington or Metropolitan Strain.</b> 5 square feet \$1.75, 100 square feet \$25. Purchaser pays transportation on stolons.				

## **QUANTITY OF GRASS SEEDS TO ORDER**

**House Lawns:** One lb. per 400 sq. ft. or 100 lbs. per acre; 2 qts. per 400 sq. ft. or 5 bus. per acre. Double this quantity for quick results.

**Tennis:** Twenty-five lbs. to 50 lbs. per court; the smaller quantity for a regulation court, the larger quantity for a "full size" court.

**Athletic Fields:** Two hundred lbs. per acre.

**Golf:** Putting-green, average, 75 lbs.; fairway 200 lbs. per acre; average tee 25 lbs.

Use one-half the above quantities for renovating old turf.

One pound of grass seed measures, approximately, 1½ quarts;  
one quart weighs about ¾ pound

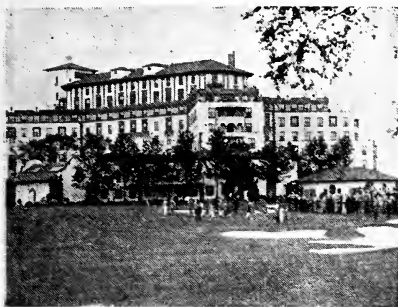


**Ternace Sod**

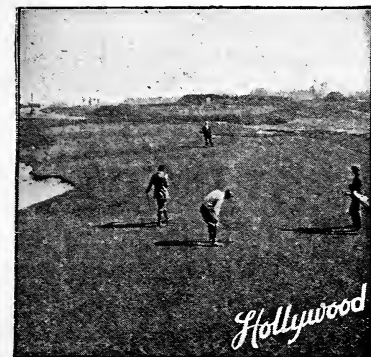


**Shady-Place**

"FOR BEST RESULTS SOW GRASS SEED IN THE FALL"



At the Westchester-Biltmore Country Club, N. Y. Stumpp & Walter Seeds used



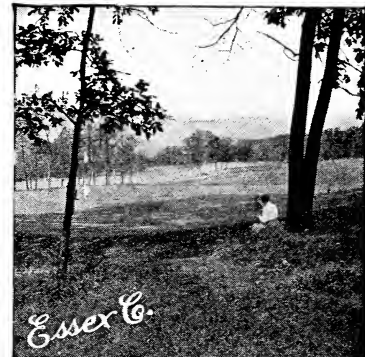
No. 17 Putting-Green, Hollywood Golf Club. Stumpp & Walter Seeds used

## Stumpp & Walter Co's

### Grass Seeds for Golf Courses, Polo Fields Air-Ports, Etc.



18th Green, New Course, Salisbury Golf Club. Stumpp & Walter Seeds used



No. 15 Green, New Course, Essex County Country Club. Stumpp & Walter Seeds used

#### Putting-Green Seeds

**Standard Putting-Green Mixture.** 80 cts. per lb., \$3.75 for 5 lbs., \$17 for 25 lbs., \$65 per 100 lbs.

**Putting-Green Bent Formula.** 95c. per lb., \$4.50 for 5 lbs., \$20 for 25 lbs., \$75 per 100 lbs.

#### Fair-Green Seeds

**Fair-Green Mixture, "Fine."** 55 cts. per lb., \$2.50 for 5 lbs., \$11 for 25 lbs., \$40 per 100 lbs.

**"Superfine."** 70 cts. per lb., \$3.25 for 5 lbs., \$14.75 for 25 lbs., \$55 per 100 lbs.

#### Tees

**Special Mixture for Tees.** 65 cts. per lb., \$3 for 5 lbs., \$13 for 25 lbs., \$50 per 100 lbs.

For other Special Mixtures for Golf Courses, Polo Fields, or Air-Ports, refer to our "Golf Turf" or Spring Catalogue, and page 44.

## GENERAL LIST OF VARIETIES

PRICES SUBJECT TO MARKET CHANGES

### Agrostis Varieties or Bents

Creeping Bent, South German	Wt. per bus. lbs.	Lb.	10 lbs.	100 lbs.
( <i>Agrostis species</i> ; <i>Fiorin</i> ; <i>Mixed Bents</i> ). Superfine quality.....	24	\$1 75	\$15 00	\$135 00
Fine quality.....	1	50	12 50	110 00
<b>Cocoas Creeping Bent</b> ( <i>A. maritima</i> ).....	18	2 75	25 00	225 00
<b>Colonial Bent</b> ( <i>Agrostis tenuis</i> ; <i>A. vulgaris</i> ). Superfine quality.....	24	1 85	16 50	140 00
<b>Rhode Island Bent</b> , Washington grown ( <i>A. tenuis</i> ).....	18	1 85	16 50	140 00
<b>Velvet Bent "Sawco Strain."</b> .....	5	00		
<b>Redtop</b> ( <i>Agrostis palustris</i> ; <i>A. alba</i> ). Superfine quality.....	36	50	4 50	37 50
Recleaned quality.....	32	45	4 00	32 50
Unhulled quality.....	18	30	2 50	20 00

### Poa Varieties or Meadow Grasses

<b>Canadian Blue Grass</b> ( <i>Poa compressa</i> ).....	24	50	4 50	35 00
<b>Kentucky Blue Grass</b> ( <i>Poa pratensis</i> ; <i>June Grass</i> ). Superfine quality.....	30	70	6 50	55 00
Fine quality.....	21	60	5 50	45 00
<b>Rough-stalked Meadow Grass</b> ( <i>Poa trivialis</i> ).....	26	80	7 50	65 00
<b>Wood Meadow Grass</b> ( <i>Poa nemoralis</i> ).....	20	85	8 00	70 00

### Festuca Varieties or Fescues

<b>Hard Fescue</b> ( <i>Festuca duriuscula</i> ).....	20	55	5 00	40 00
<b>Red Fescue</b> , <i>Chewing's N. Z.</i> ( <i>Festuca rubra</i> ).....	30	65	6 00	50 00
<b>Red Fescue</b> , <i>European</i> .....	27	60	5 50	45 00
<b>Sheep's Fescue</b> ( <i>Festuca ovina</i> ).....	20	55	5 00	40 00
<b>Fine-leaved Sheep's Fescue</b> ( <i>Festuca ovina angustifolia</i> ; <i>F. capillata</i> ; <i>F. tenuifolia</i> ).....	22	95	9 00	85 00
<b>Various-leaved Fescue</b> ( <i>Festuca heterophylla</i> ).....	15	95	9 00	85 00
<b>Meadow Fescue</b> ( <i>Festuca pratensis</i> ).....	27	45	4 00	35 00

### Lolium Varieties or Rye Grasses

	Wt. per bus. lbs.	Lb.	10 lbs.	100 lbs.
<b>English Rye Grass</b> ( <i>Lolium perenne</i> ).....	28	\$0 35	\$3 00	\$22 50
<b>Pacey's Perennial Rye Grass</b> ( <i>Lolium perenne Pacey</i> ).....	30	35	3 25	25 00
<b>Italian Rye Grass</b> ( <i>Lolium italicum</i> ; <i>L. multiflorum</i> ).....	22	30	2 50	20 00

### Sundry Varieties

<b>Bermuda Grass</b> ( <i>Cynodon Dactylon</i> ; <i>Capriola Dactylon</i> ).....	36	60	5 50	45 00
<b>Carpet Grass</b> ( <i>Axonopus compressus</i> ).....		55	5 00	40 00
<b>Crested Dog's-tail</b> ( <i>Cynosurus cristatus</i> ).....	30	70	6 50	55 00
<b>Meadow Foxtail</b> ( <i>Alopecurus pratensis</i> ).....	10	1 00	9 75	95 00
<b>Orchard Grass</b> ( <i>Dactylis glomerata</i> ; <i>Cocksfoot</i> ).....	14	45	4 00	32 50
<b>Poa Bulbosa</b> (Bulbous Blue Grass).....		2 75	25 00	200 00
<b>Sweet Vernal</b> ( <i>Anthoxanthum odoratum</i> ).....	10	1 00	9 50	90 00
<b>Tall Oat Grass</b> ( <i>Avena elatior</i> ; <i>Arrhenatherum elatius</i> ).....	14	45	4 00	35 00
<b>Timothy</b> ( <i>Phleum pratense</i> ; <i>Herd's Grass</i> ).....	45	25	2 00	15 00
<b>Yarrow</b> ( <i>Achillea millefolium</i> ).....		2 00	18 50	

### Quantity of Mixed Seeds to Sow

**For Golf.** Average putting-green, 50 pounds; fairway, 200 pounds per acre.

**For Lawns.** Conditions generally less exacting and a smaller quantity ordinarily will suffice. Use 1 pound per 400 square feet (20 x 20 ft.) or 100 pounds per acre. Double quantity for quick results.

Use one-half above quantities for renovating existing turf.

# How to Make a Lawn

## With "Staigreen" Grass Seeds



**T**HE production of a good lawn is not at all difficult. The method is as follows: (1) Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing work. (2) As you dig, lift each clod high enough to enable you to turn it completely over. (3) Strike the inverted clod with the back of the fork to break it. (4) As the work proceeds, remove all stones, sticks, and rubbish. (5) Scatter **Stumpp & Walter Co.'s Emerald Grass Fertilizer** on the dug earth; use 1 ton per acre or 1 pound to each 25 square feet. (6) Draw a rake back and forth until the soil is smooth and in fine condition. (7) Sow **Staigreen Lawn Seed** at the minimum rate of 100 pounds per acre (4 bushels) or 1 pound (nearly 2 quarts) to each 400 square feet. Double the quantity when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering; it is important to stir the contents of the bag now and again. When you have sown the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place. The idea is to bury most of the grass seeds no more than  $\frac{1}{2}$  inch deep. (8) Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried.

### How long will the Lawn be growing?

This varies with the time of year, quality of soil, rainfall, etc. Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks; wait four weeks more before walking on the grass except to mow and roll it.

**When is the best time to make a Lawn?** Early spring and late summer are the best, but seed will grow quite well if sown at any time of the year except during July.

**Will the above directions hold on poor or sandy land?** Before commencing work on poor soil, spread rotted horse-manure or cow-manure over the land at the rate of 20 tons to the acre or 1 pound per square foot. Then proceed exactly as directed. If manure cannot be procured, use Pulverized Sheep Manure at the rate of 2 tons to the acre or 1 pound to each 10 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying manure, digging, then adding at least an inch of top-soil, two or three if possible. Apply Emerald Grass Fertilizer, and proceed as suggested.

**How about moist, sour soil?** Spread hydrated lime at the rate of 2 tons per acre or 1 pound to each 10 square feet; then follow directions. In bad cases it will be necessary first to drain the land by digging ditches and laying tile.

**Should I sprinkle the new Lawn with water?** Yes, if seeding is followed by hot, dry weather. Otherwise it is best not to water for the first three weeks. Later, when the grass has started, it may be watered as required: use an approved sprinkler and soak every three days.

### FALL SEEDING

August 15 to October 1 is the best period of the year in this locality for sowing grass seed. The grass will root deeper, and you will not have as strong weed-growth to contend with as in the spring seeding.

**What after-care is needed?** As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown; roll it now and again, and water during dry weather.

**How about Weeds?** Stumpp & Walter Co.'s seeds are as free from weeds as care and modern machinery can make them. All soils, however, contain seeds of weeds—some more than others—and many of these start to grow along with the grass. Close cutting will kill most of them, but the few that remain must be taken out, and the holes filled with good soil in which you have mixed some grass seeds.

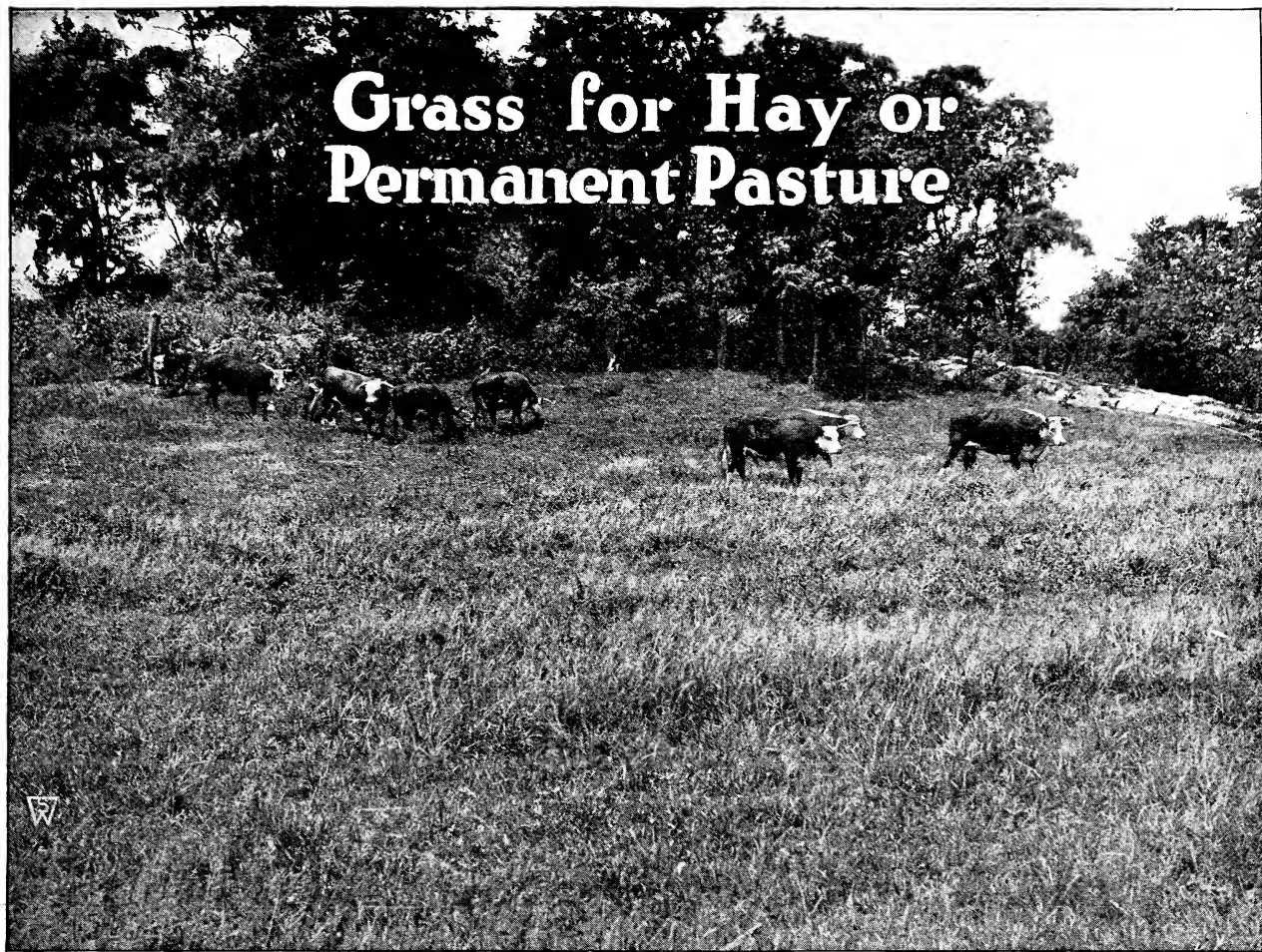
**How about White Clover?** We include Clover only in our lowest-priced mixture, which we call "High Grade Lawn Seed," because Clover is generally omitted nowadays in the finest lawns. For the convenience of our customers who wish it, we offer **Superfine White Clover**. Oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. 75c., 10 lbs. \$7, bus. (60 lbs.) \$33, 100 lbs. \$55. Mixed with grass seeds, usual allowance of clover is 5 per cent.

**Is "Staigreen" the best seed to use?** No seeds are purer and no seeds grow more vigorously than the grass seeds in Staigreen, which is a mixture of five distinct varieties, and for the finest lawns around the residence Staigreen cannot be surpassed. For shade and special conditions use the mixtures described on page 44. **Staigreen Lawn Mixture**. Lb. Sifter-Top Container 65 cts., 2 $\frac{1}{2}$  lbs. \$1.55, 5 lbs. \$3, 12 $\frac{1}{2}$  lbs. \$7.25, 25 lbs. \$14, 100 lbs. \$55.





# Grass for Hay or Permanent Pasture



## Grass and Clover Mixtures for the Farmer

Timothy, Red-Top, and Red Clover have long formed the standard hay and pasture mixture for use on the American farm. It is not an ideal combination, but is inexpensive and we offer it under the heading of **Timothy-Red-Top-Clover Formula**. Where large yield and high quality are looked for, we recommend that a much wider variety than this be sown, using in addition to the above such types as Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island Bent, Fiorin or German Bent, Cocoos Bent, Sweet-scented Vernal, Meadow Fescue, the Rye Grasses, the Blue Grasses, Oat Grass, Red, Mammoth, White, Wild White and Alsike Clovers; each of these is suited especially to certain kinds of soil and climatic conditions; some do well on high ground, others prefer plenty of moisture. It is necessary that these be selected in proper proportions, suitable to the soil conditions and for the purpose required. We use the best re-cleaned seeds only in these mixtures.

**CLOVER AND GRASS FORMULA.** For high quality hay or pasture. Includes a wide range of both grasses and clovers. Use 75 lbs. per acre when sowing new land. **Lb. 50 cts., postpaid 60 cts.; 10 lbs. \$4.50, 100 lbs. \$40.**

**ALL-GRASS FORMULA.** For high-quality hay or pasture. Grasses only—no clovers. Use 85 lbs. per acre when sowing new land. **Lb. 45 cts., postpaid 55 cts.; 10 lbs. \$4, 100 lbs. \$35.**

**ALL-CLOVER FORMULA.** For pasture. Use 25 lbs. per acre when sowing new land. **Lb. 55 cts., postpaid 65 cts.; 10 lbs. \$5, 100 lbs. \$45.**

**TIMOTHY-REDTOP-CLOVER FORMULA.** For hay and pasture at low cost. Use 50 lbs. per acre when sowing new land. **Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$3, 100 lbs. \$25.**

For renovating existing fields, use one-half the above quantities

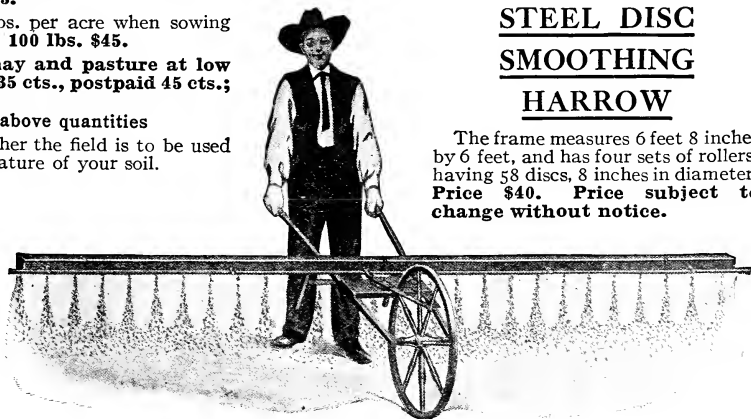
**IMPORTANT.** When ordering these seeds, tell us whether the field is to be used for hay or pasture, or both; please also describe the nature of your soil.

### S. & W. CO.'S WHEELBARROW GRASS SEEDERS

For sowing all kinds of grass seeds broadcast, clover, timothy, alfalfa, Hungarian millet, rape and all small seeds. Also all chaffy seeds like red-top, orchard grass, and clean blue grass, bent grass, any quantity per acre desired. They are no experiment, and are guaranteed to do an even, accurate, first-class job of seeding. **Price (14 feet sowing area) \$17; with additional hopper, for broadcasting Bordeaux powder, tobacco dust, etc., \$30.**

### STEEL DISC SMOOTHING HARROW

The frame measures 6 feet 8 inches by 6 feet, and has four sets of rollers, having 58 discs, 8 inches in diameter. **Price \$40. Price subject to change without notice.**





A field of Leap's Prolific Wheat grown for us at the foothills of the Appalachian Mountains in the Shenandoah Valley. A hard red Wheat with hardly a fault

## Selected Winter Seed Wheat

Prices subject to market changes. Delivery f.o.b. New York; bags extra at cost

BEARDLESS. CHAFF WHITE  
GRAIN HARD, LARGE, DARK

### Leap's Prolific

STRAW LONG, STIFF. RIPENS EARLY  
SOW  $1\frac{1}{2}$  TO 2 BUSHELS PER ACRE

A variety of Wheat which originated in the Shenandoah Valley. Leap's Prolific need not be seeded as heavily as most other Wheats. It stools out strongly and roots deeply, each grain producing a great bunch of stalks. A large, dark red, hard Wheat which, while being a heavy yielder, is not weak in color or soft. The heads are large, the chaff of a beautiful white and without beards. The glumes are close together on the head and so well closed that the wheat does not shatter badly in handling. The straw is of medium length, is thick walled, and holds up a crop of 40 bushels per acre finely. The new crop which has just been harvested under our own supervision, is of very high quality and averaged 35 bushels per acre. We can confidently recommend this as one of the best Winter Wheats we know of. **Pk. \$1.50,  $\frac{1}{2}$ bus. \$2.50, bus. \$4.75; 10-bus. lots, \$4.25 per bus.**

### Jones' St. Louis Grand Prize (Beardless)

This variety has proven itself to be adapted to all soils, doing well on light, sandy, clay loam, or river-bottom lands, and is also almost as entirely fly-proof as a Wheat can be. A strong, vigorous grower, with dark, wide foliage. The straw is of medium length and very stocky; heads are square, compactly filled from base to tip, not extremely long, but the wide breasts running the length of the head encroach upon each other for room, and contain mostly four kernels each; color medium dark red, and of excellent milling quality. **Pk. \$1.75,  $\frac{1}{2}$ bus. \$3, bus. \$5; 10-bus. lots, \$4.50 per bus.**

### Jones' Red Wave (Beardless)

This grand Wheat has fully maintained the good opinion expressed when first sent out in 1906. It is a cross between early Red Clawson and an unnamed cross-breed of Russian parentage. It is a bald Wheat with brown chaff; dark, medium-long, large grain; heads very long and broad, filled with medium-long, large, hard, dark kernels, rich in gluten. Straw golden; above medium height, stocky, very strong, thick-walled and not liable to go down; heads slightly leaning, hence not liable to sprout in the field. **Pk. \$1.75,  $\frac{1}{2}$ bus. \$3, bus. \$5; 10-bus. lots, \$4.50 per bus.**

GRAIN LARGE, HARD, LONG BERRY  
TYPE, PLUMP, DARK RED

### Lancaster Fulcaster

BEARDED. SOW  $1\frac{3}{4}$  BUS.  
PER ACRE

Lancaster Fulcaster is rightly one of the most popular bearded Wheats. It is a variety that under care and supervision was improved by years of selection from the old "Fulcaster." It is one of the purest Wheats now being offered. "Lancaster Fulcaster" is a reliable yielder year after year. In years when all conditions are against successful crops this variety proves its reliability by making good average yields in spite of adverse conditions. **Pk. \$1.60,  $\frac{1}{2}$ bus. \$2.75, bus. \$4.75; 10 bus. lots, \$4.25 per bus.**



## SEASONABLE FARM SEEDS

Prices f. o. b. Boat or Railroad, New York,  
and are subject to market changes

### MAMMOTH WHITE WINTER RYE

The heads average 6 to 8 inches in length and are filled from end to end with large, plump, heavy grains. The straw is giant in length and strength and of extraordinary stiffness, resisting severe wind and rain-storms to a remarkable degree without lodging. **Pk. \$1.25, bus. \$3.50, 10 bus. \$30.**

### CERTIFIED ROSEN RYE

One of the greatest achievements in the science of breeding and selecting varieties of grain. Introduced in 1912 to the farmers of the state by the Michigan Experiment Station. A great yielding variety. Rosen occupies about three-fourths of Michigan's 550,000 acres of Rye. Now growing and giving excellent success in a great many parts of the United States and Canada. Rosen has the "big head"; its "big head" is "full." **Pk. \$1.50, bus. \$4.50, 10 bus. \$40.**

### RECLEANED ALFALFA

Now is the Time to Sow

Sow 30 to 35 pounds per acre if broadcast, or 25 to 30 pounds, if drilled in, in May, or during August and early September, or most any season when weather conditions are favorable; top-dress it with manure every fall, and it will rarely winter-kill. It can be cut usually three times in one season. The great secret in getting a successful stand of Alfalfa lies in the preparation of the ground; it will pay everyone who wants to grow this valuable farm crop to give the ground preparation most intelligent thought. It must be borne in mind that an Alfalfa field properly started will yield successfully a score of years. **Northern-grown seed. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$32.50.**

### GRIMM ALFALFA

The Grimm Alfalfa is much harder than the ordinary kinds obtained from Kansas, Utah, and elsewhere, and there is even strong reason to believe that it is the hardest known form of the cultivated plant. It not only endures extremely low temperatures with or without snow and other adverse conditions, but it can be cut with greater safety late in the fall and will bear more abuse in the way of pasturage than any other plant that has been compared with it until this time. There is some disagreement among investigators as to how Grimm Alfalfa obtained its hardness, but there is no difference of opinion that it is hardy. **Lb. 80 cts., 10 lbs. \$7.50, 100 lbs. \$65.**

**All Farm Seeds listed on this page are furnished in seamless bags, for which a charge of 40 cts. for each two bushels is made**

### CRIMSON CLOVER

(*Trifolium incarnatum*)

**Splendid and Economical Cover-Crop for Using Green or Plowing Under**

Used principally for soiling or green manuring, for which purposes it is largely used. If desired for feed, cut it just before it flowers; when desired for green manure or soiling, it should be left until mature before plowing under. Sow Crimson Clover in September and October or at the last working of such crops as corn, beans, melons, cucumbers, tomatoes, etc., at the rate of 20 pounds to the acre. **Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$22.50.**

### VARIOUS CLOVERS

**Alsike or Swedish (*Trifolium hybridum*).** Hardest of all Clovers, and on rich, moist soil yields an enormous quantity of hay or pasture. Lasts many years. Sow 10 lbs. per acre when used alone. **Lb. 60 cts., 10 lbs. \$5, 100 lbs. \$40.**

**Red Clover, Medium (*Trifolium pratense*).** Medium Clover. The leading variety of Clover for pastures or meadows. Finest quality. Sow 20 pounds per acre alone, or 15 pounds where other grass or hay crops are standing. **Hardy American-grown seed. Lb. 65 cts., 10 lbs. \$5.50, 100 lbs. \$45.**

**White Dutch Clover (*Trifolium repens*).** The best variety for lawns, as it forms a close herbage and remains green throughout the season. **Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$55.**

### WINTER VETCH (*Vicia villosa*)

**True Sand or Hairy Vetch**

Extensively used as a soil-renovator or for dry or green feed in the early spring. It may be sown alone or with winter rye or oats; is perfectly hardy, thriving in every climate, under most adverse conditions. Is very nutritious and live-stock relish it. When sown with rye, etc., it will attain a height of 4 to 5 feet; it requires one-half bushel to sow an acre, or one bushel if sown alone. Sow as early as possible in the fall or summer and get a good growth before cold weather sets in. 60 lbs. per bushel. **Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$20.**

### DWARF ESSEX RAPE

Valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a "catch crop." Sow 10 to 12 lbs. to an acre broadcast; 4 to 5 lbs. in drills. **Lb. 25c., 10 lbs. \$1.75, 100 lbs. \$12.50.**

# Flower Boxes, Baskets, Pots and Fibreware

PRICES SUBJECT TO MARKET CHANGES



Corrugated Flower Box

## Flower Boxes

**Cardboard, Flower.** Ivy green; lock corners.

No.	Depth	Length	Width	Doz.	100
No. 1.	3 in.	18 in.	5 in.	\$1 00	\$6 00
No. 2.	3 in.	21 in.	5 in.	1 20	7 00
No. 3.	4 in.	24 in.	8 in.	1 75	10 50
No. 4.	5 in.	28 in.	8 in.	2 25	13 00
No. 5.	5 in.	36 in.	8 in.	3 00	16 00
<b>Violet.</b>	Length	Width	Depth		
No. 5.	11 in.	5 1/2 in.	8 in.	1 30	7 00
No. 10.	9 in.	5 in.	6 in.	1 20	6 00

**Corrugated Cardboard.** Very heavy and durable; extensively used by florists for shipping cut-flowers.

No.	Doz.	100
A 20 x 7 x 4 in.	\$3 00	\$20 00
B 28 x 8 x 5 in.	4 50	35 00
C 30 x 12 x 6 in.	5 60	40 00
D 36 x 14 x 8 in.	7 75	55 00
E 48 x 14 x 8 in.	10 00	75 00
F 36 x 12 x 6 in.	7 00	50 00

## English Garden Baskets

Durable, light and handy for cut-flowers or vegetables.

No.	Length	Width	Each	Doz.
5	16 1/2 x 9 in.		\$2 00	\$22 00
6	18 1/2 x 10 in.		2 25	25 00
7	21 x 11 in.		2 75	30 00

## Galvanized Iron Flower Vases

PAINTED GREEN

English Garden Baskets



Galvanized Iron Flower Vase

Used for the growing of vegetable and flowering plants, shrubs, and ornamentals.

No.	Height	Top diam.	Each	Doz.
No. 1.	9 in.	5 in.	\$0 75	\$7 50
No. 2.	10 in.	6 in.	90	9 00
No. 33.	12 in.	6 1/2 in.	1 10	11 00
No. 22.	15 in.	6 1/2 in.	1 25	12 50
No. 11.	17 in.	8 in.	1 50	15 00

## Growell Pots

They are made entirely of soil-forming material. It is impossible for the plants to become pot-bound, as the porous walls permit the roots to penetrate and grow through them. When saturated with moisture, it enables the plant to drink in its entire requirements. There is no check in the plant's growth when both pot and plant are set in the earth.

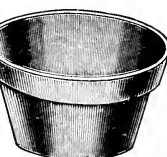


Growell Pot

## Azalea Pots

These pots differ from standard flower pots in that they resemble the bulb pans but are deeper. Excellent for growing bulbs for exhibition.

Diam.	Each	Doz.	100
6 in.	\$0 15	\$1 45	\$10 00
7 in.	30	2 50	17 00
8 in.	40	3 60	25 00
9 in.	60	5 75	39 00
10 in.	80	7 00	50 00



Azalea Pot

## Flower Pots, Standard

EARTHENWARE. Best on the market

Diam.	Each	Doz.	100	1,000
2 in.	\$0 35	\$1 60	\$14 00	
2 1/2 in.	40	2 00	18 00	
3 in.	55	2 75	25 00	
4 in.	\$0 10	1 00	5 00	38 00
5 in.	15	1 60	8 00	70 00
6 in.	20	2 25	12 00	105 00
7 in.	35	3 25	20 00	175 00
8 in.	40	4 00	30 00	275 00

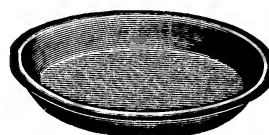
On orders of 50 pots or more we make shipment direct from factory to customer.

Saucers of same material, to fit Pots, furnished extra

Diam.	Each	Doz.	100
4 in.	\$0 05	\$0 40	\$3 00
5 in.	05	50	3 80
6 in.	10	80	5 80
7 in.	15	1 10	7 80
8 in.	15	1 50	10 60
9 in.	20	2 00	14 50



Flower Pot



Flower-Pot Saucer

## Flower-Pot Saucers

FIBREWARE. Waterproof

Light and not readily broken; have a surface that will not scratch, like earthenware. Order saucer 2 inches larger than the bottom diameter of pot.

Diam. Outside	Each	Doz.	Diam. Outside	Each	Doz.
5 in.	\$0 25	\$2 50	7 1/2 in.	\$0 45	\$4 50
6 in.	35	3 50	9 1/2 in.	65	6 50

## Bulb Pans. EARTHENWARE

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 25	\$12 00
7 in.	35	3 25	20 00
8 in.	40	3 25	25 00
9 in.	60	5 50	40 00
10 in.	70	6 50	50 00
12 in.	1 50	13 00	102 00



Bulb Pan



Square Seed Pans

## Square Seed Pans

EARTHENWARE

Size	Each	Doz.
6 x 6 in.	\$1 10	\$10 20
8 x 8 in.	1 40	13 20
10 x 10 in.	1 75	17 00
12 x 12 in.	2 20	20 50

## Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100
2 1/4 in.	\$0 12	\$0 65
2 1/2 in.	15	70
3 in.	20	85
3 1/2 in.	25	1 20
4 in.	30	1 75
5 in.	50	2 50
6 in.	60	3 00



Paper Pot

## Flower-Pot Brackets

Made of steel, artistic in design, finished in black. Saucers are absolutely secured by spring clasp.

No.	Length of arm	Each
No. 1.	7 in.	\$0 65
No. 2.	8 in.	75
No. 3.	10 in.	90

## Flower-Pot Handles and Hangers (Krick's Perfect)

No.	Will fit from	Doz.
No. 1.	3 1/2- to 5-in. pots	\$0 60
No. 2.	5- to 8-in. pots	75
No. 3.	8- to 12-in. pots	75



# Hanging-Baskets and Boxes, Thermometers and Plant-Tubs

PRICES SUBJECT TO MARKET CHANGES



The S. & W. Co.'s Irrigating Hanging-Basket

**FOR BULBS.** The S. & W. Co.'s Irrigating Hanging-Baskets and Boxes are, without question, the most satisfactory device for growing bulbs ever devised. A beautiful and certain growth, with a minimum of care.

**FOR FERNS.** Nearly every home-lover is a lover of ferns, but few succeed with them. They never fail in S. & W. Co.'s Irrigating Flower-Boxes, or Hanging-Baskets.

## The S. & W. Co.'s Irrigating Hanging-Baskets

The S. & W. Co.'s Irrigating Basket is a strongly made, watertight, galvanized square steel box, attractively finished with a baked-on enamel in dark green. Its neat design harmonizes with any surrounding. The top edges have a pleasing roll finish and the boxes are made entirely suitable for all locations. Four chains are furnished with which the basket may be suspended anywhere—indoors or out.

There is a water-pocket at the bottom, and, leading from it into the box, are tubes to convey water to the soil. Watering is made easy, the air circulation is perfect, and the soil is kept sweet and healthy. What is more important, the plants get the water at the roots, right where it does the most good.

10 inches square.....	\$2 35	16 inches square.....	\$4 00
12 inches square.....	2 75	18 inches square.....	4 75
14 inches square.....	3 25		

## The S. & W. Co.'s Irrigating Flower-Boxes

You can put the S. & W. Co.'s Flower-Boxes anywhere—on the piazza rail, at the edge of the piazza floor, the window-sill, and in many other places on the outside or inside of your home. They are easy to put up and take down—a screw driver is the only tool you need. Brackets may be had for fastening the boxes in different positions. You can be absolutely certain that they will not drip. When cold weather comes, take the boxes and plants inside and have the all-winter cheer of growing flowers.



Length	Width	Depth	Each	Length	Width	Depth	Each
24 in. ....	8 1/2 in. ....	6 1/4 in. ....	\$1 95	42 in. ....	8 1/2 in. ....	6 1/4 in. ....	\$4 00
30 in. ....	8 1/2 in. ....	6 1/4 in. ....	2 40	48 in. ....	8 1/2 in. ....	6 1/4 in. ....	4 50
36 in. ....	8 1/2 in. ....	6 1/4 in. ....	3 25				

## Brackets for Attaching the Above to Window Frame, Etc.

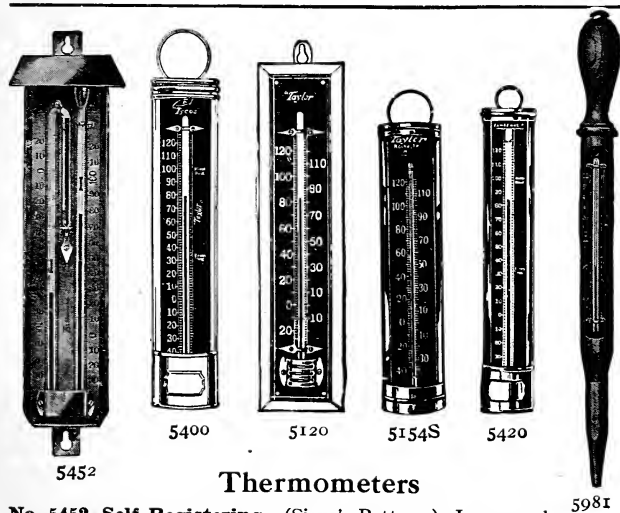


- No. 1.** Sets on window-sill. 90c per pair.  
**No. 2.** Sets below window-sill. \$1.10 per pr.  
**No. 3.** For porch-rails and wooden sills. 65 cts. per pair.

Diagram shows the interior construction of the S. & W. Co.'s Irrigating Flower-Box

The love of flowers is inherent in all of us. Radiant with beauty and fragrance, the bright blooms add charm to any home. Have you ever thought how much brighter and cheerier your windows and veranda would be with some pretty growing flowers along the rail? There is a rare enjoyment that comes from watching the progress of the tiny shoots as they grow and blossom into full grown flowers.

The S. & W. Co.'s Flower-Boxes and Hanging-Baskets make it easy to have all the flowers you want. You can plant them yourself or have the florist fill the boxes with your favorite varieties already in bloom. All plants thrive in these unique receptacles.



## Thermometers

- No. 5452, Self-Registering.** (Siex's Pattern.) Lacquered polished brass case, white figures. **Maximum and Minimum.** 10-inch, \$7. Magnet with each.  
**No. 5400.** Black japanned heavy tin case; brass scale, white figures. (Mercury.) Scale range, 10 to 40 degrees below zero to 120 above. **Standard Grade.** 8-inch, \$1.75; 10-inch, \$2.  
**No. 5420.** Black japanned heavy tin case. For greenhouses. Black oxidized brass scale, white figures. (Spirit.) 8-in. \$1; 10-in. \$1.25.  
**No. 5154S.** Coppered tin case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-inch, 85 cts.  
**No. 5120.** Distant reading. Wood-back Mission finish, brass scale, white figures and graduation. (Spirit.) Easy to read at distance. 8-inch, \$1.25.  
**No. 5981.** Hotbed. Wood frame, 15 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, mercury filled bulb-chamber giving good contact. Price, \$3.

## TUBS

**Plant Tubs, New York Cedar.** Made of the choicest seasoned cedar, highly finished with black hoops; wil. last twice as long as cypress.

No.	Diam.	Height	Price	No.	Diam.	Height	Price
1.....	12 in.	10 1/2 in.	\$2 50	4.....	19 1/2 in.	17 in.	\$6 00
2.....	13 in.	13 in.	3 50	5.....	22 1/2 in.	18 1/2 in.	7 50
3.....	14 1/2 in.	15 in.	4 25				
3 1/2.....	16 in.	15 1/4 in.	5 50				

**Barclay Tree Tubs.** Made of seasoned, selected Virginia White Cedar; bound with electric welded wire hoops (galvanized), three hoops to each, except the two smallest tubs which have two.

No.	Top diam. inches	Depth inches	Price Each
1....	6.....	6.....	\$0 70
2....	7.....	7.....	75
3....	8.....	8.....	80
4....	9.....	9.....	90
5....	10.....	10.....	1 20
6....	11.....	10.....	1 40
7....	12.....	11.....	1 60
8....	13.....	12.....	2 00
9....	14.....	13.....	2 50
10....	15.....	14.....	3 00



New York Cedar Tub

PRICES SUBJECT TO MARKET CHANGES

# MISCELLANEOUS SUPPLIES

FOR COMPLETE LIST OF IMPLEMENTS AND SUPPLIES, SEE OUR SPRING CATALOGUE

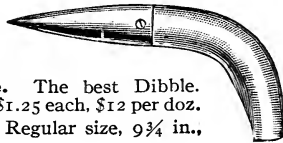
- Aprons, Gardeners'.** English made. Each  
 Fine shalloon, 39-in., with bib and pocket.....\$4 50  
 Fine shalloon, 42-in., with bib and pocket..... 5 50  
 Heavy serge, 39-in., with bib and pocket..... 4 00  
 Heavy serge, 42-in., with bib and pocket..... 4 25
- Bamboo Canes.** See Plant Stakes, page 53.
- Bamboo Rakes.** Constructed of well-seasoned split bamboo held together by steel wire, and equipped with basswood handle bolted to rake. Jumbo Size, \$1.60 each, \$16 per doz.
- Brooms, Bamboo.** Excellent for sweeping lawns, putting-greens, and walks. Made of bamboo. \$1.50 each, \$15 per doz.
- Brooms, Birch.** With handle \$1.25 each, \$12.50 per doz.
- Carnation Supports.** Model Extension, 2-ring, \$1.10 per doz., \$7.50 per 100; 3-ring, \$1.35 per doz., \$8.50 per 100.
- Carnation Bands, Rubber.** To prevent splitting of calyx. 25 cts. per oz.
- Clips, Eureka.** For fastening rose and chrysanthemum wire stakes. \$1.50 per box of 500, \$2.75 per box of 1,000.
- Corn Knife.** For cutting cornstalks or heavy grass. 60 cts. each, \$6.50 per doz.

## Dibbles or Dibbers

Just the tool for planting bulbs where ground is in good condition.

**Brass Point and Wood Handle.** The best Dibble. Polishes quickly; does not rust. \$1.25 each, \$12 per doz.

**Steel Point and Wood Handle.** Regular size, 9 3/4 in., 90 cts. each, \$9 per doz.

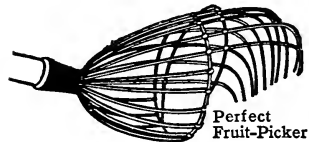


## Forks

**Hay.** Finest quality steel; oval-shaped tines; solid steel shank; patent ferrule, long and strapped. 3-tine, \$1.65 each; 4-tine, \$1.75 each.

**Manure.** Long or short handle. 4-tine, D-handle, best material, \$2; 5-tine, D-handle, best material, \$2.25; 6-tine, D-handle, best material, \$2.50. Long-handle Manure Forks may be had at same prices.

**Spading.** 4-tine, D-handle, best material, \$2.25; 5-tine, D-handle, best material, \$2.75. Long-handle Spading Forks may be had at same prices.



Perfect Fruit-Picker

**Fruit-Picker, Perfect.** Made of steel wire, heavily galvanized; can be attached to any pole. 60c.

**Gloves, Gardeners'.** No. 259. All Leather, \$3 per pair. No. 186. Ladies', \$2 per pair.

## Garden and Greenhouse Barrows

- Regulation, No. 2, Boys'.** Holds 2 cubic feet of earth.....\$6 75
- Regulation, No. 4, Medium.** Holds 4 cubic feet of earth... 8 50
- Regulation, No. 5, Standard Size.** Holds 5 cubic feet of earth 9 50
- Greenhouse.** Built especially for narrow walks in greenhouse; also excellent for poultry-houses..... 11 00

## Glazing Materials

**Permanite** is a glazing compound composed of asbestos fiber and special long-life, weather-resisting, non-drying oils, which always keep it in an elastic condition and never allow it to harden. Little needs to be said about the addition of asbestos as the advantage of using this material—its indestructibility and ability to resist heat and cold are too well known. 1 gal. \$2.50, 5 gals. \$2.40 per gal., 15 gals. \$2.25 per gal., 35 gals. \$2.10 per gal., 60 gals. \$2 per gal.

**Permanite Gun.** This Gun makes application of Permanite easy. Further particulars on request. \$7.50 each.

**Putty Bulb, Scollay.** A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. \$1.50 each.

**Glazing Points, Van Reyper's.** No rights or lefts. No. 2, for large, single-thick glass, or for double-thick, for greenhouses and skylights. Box of 1,000, 75 cts.; in lots of 5,000, 65 cts. per 1,000. Pincers or pliers for same, 50 cts.; postpaid, 65 cts.

## GLAZING MATERIALS, continued

**Red Devil Glass Cutter.** 25 cts., 35 cts., and 50 cts.

**Putty Knife.** No. 100. A very good tool. 50 cts. each.

**Grafting Wax, "Seal Bark."** Lb. 60 cts.

## Hose, Rubber



**Electric.** Three-ply, non-kinkable, molded Hose. The strength and durability of this Hose place it with the very best grade of Hose manufactured.

Standard lengths, 3/4-inch bore, 25 ft., \$6.25; 50 ft., \$12.

Standard lengths, 1/2-inch bore, 25 ft., \$5.75; 50 ft., \$10.50.

5 lengths or more of 50 ft., 3/4-inch bore, cut and coupled, 23 cts. per ft.

5 lengths or more of 50 ft., 1/2-inch bore, cut and coupled, 20 cts. per ft.

**S. & W.'s Special Brand (Wayahead).** Surpasses all the cheaper grades of Hose. Its durability is not excelled by much of the higher-priced Hose. It is three-ply, seamless and non-kinkable. The satisfaction it gives is proved in the increased demand for it each season. Standard lengths, 3/4-inch bore, 25 ft., \$4.50; 50 ft., \$8; 100 ft., \$15.

## Hose Nozzles

**Stott's.** A Nozzle that has become a favorite among rose-growers, etc., for exterminating red spider. Splendid Nozzle for reaching under the foliage; gives a very fine, misty spray. Single, \$1.75; Double, \$3.

**Mistry Jr.** Can be used for spraying white-wash. \$1.75 each.

**Magic.** Brass Hose Nozzle, 3/4-inch. Has a shut-off, a stream and a rose spray. Without rose, \$1.20; with rose, \$1.50.

**Justrite Spray.** A very popular adjustable nozzle. It gives a copious spray or a well-defined full stream. Has a positive shut-off, by turning the barrel of the nozzle. 75 cts.

**Bordeaux Spray Nozzle.** A good nozzle for whitewash and all heavy spray materials. \$1.

**HOSE COUPLING. Regular.** 1/2-inch, 25 cts.; 3/4-inch, 30 cts.



Mistry Jr.



Cooper's Brass Hose Menders

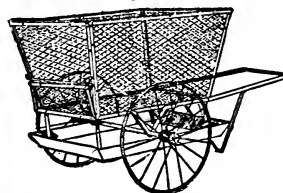
## Hose Menders

**Cooper's Brass.** 1/2 and 3/4-inch, 12 cts. each, \$1.20 per doz.; 1-inch, 15 cts. each, \$1.50 per doz.

**Perfect Clincher.** 15 cts. each, \$1.50 per doz., 1/2-inch or 3/4-inch.

## S. & W. Co.'s All-Steel Refuse and Leaf Burner

A portable incinerator for the efficient destruction of all waste matter in the garden.



S. & W. Co.'s All-Steel Refuse and Leaf Burner

Made of angle iron and heavy steel netting, which is guaranteed not to burn out. Is fitted with wide wheels, enabling it to be drawn over lawns or soft ground. A steel pan catches any live ashes that may drop through the fire.

By taking out two pins the whole back of the basket may be removed, thus converting it into a dump cart.

No. 1. Capacity 16 cubic ft... \$48 00  
 No. 2. Capacity 11 cubic ft... 43 00  
 No. 3. Capacity 5 cubic ft... 38 00

# STUMPP & WALTER CO.'S GENERAL SUPPLIES

PRICES SUBJECT TO MARKET CHANGES

## MISCELLANEOUS SUPPLIES, continued

**Hotbed Sash.** Well made from clean cypress, glazed and painted two coats of white paint. \$8 each, \$90 per doz. Packing extra, \$1.50 per crate.

**Double-Glass Sash.** Two layers of glass with an air-space of 1 inch between. \$14.50 each, \$165 per doz.

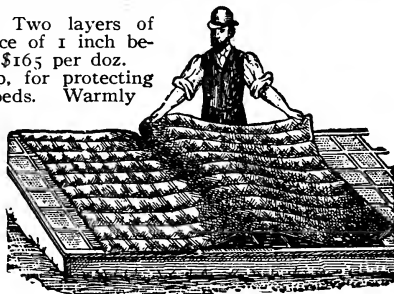
**Hotbed Mats.** Burlap, for protecting coldframes and hotbeds. Warmly lined with waste wool and cotton, which are quilted to hold in position.

No. 1. 40 x 76 inches. Burlap on both sides. \$2.75 each, \$30 per doz.

No. 2. 76 x 76 inches. Burlap on both sides. \$3.75 each, \$42 per doz.

No. 3. 76 x 76 inches.

Duck on one side, burlap on the other. \$7.50 each, \$75 per doz.



Hotbed Mat

## Knives, Turf-Edging, Budding and Pruning

**Solid Welded Steel Edging.** Socket handle; made of the very best steel; imported English. 8-inch, \$2.50; 9-inch, \$3. Each

**Half-Moon.** Solid steel, with a polished handle. \$1.40

**Planet Jr. Disc Edger.** \$2.

### Pruning—

No. 1. Cocoa handle. 1 blade. \$1.50  
2. Stag. 1 blade. 2.00  
3. Stag. 2 blades. 2.75  
4. Cocoa. 1 blade. 2.00  
5. Cocoa. 2 blades. 3.25

### Budding—

No. 1. Ivory handle. 2 blades. \$3.50  
B. Bone, S. & W. 1 blade. 2.00  
C. Bone, S. & W. 2 blades. 2.50  
D. Ivory. 1 blade. 2.75  
E. Bone. 2 blades. 1.50  
F. Ebony. 1 blade. 1.50

**Kunde Knives, Budding and Pruning.** Two blades; brass lined; polished wooden handle, \$3.

**Kunde Knives, Budding.** One blade; brass lined with polished wooden handle, \$2.

## Pot or Garden Labels

### Wooden—

PAINTED

100 1,000  
4-inch. \$0.35 \$2.25  
4½-inch. 40 2.50  
5-inch. 45 3.00  
6-inch. 50 4.00

PAINTED

100 1,000  
8-inch. \$1.25 \$9.00  
10-inch. 1.40 11.00  
12-inch. 1.60 13.25

### Copper-Wired—

3½-inch. 50 3.00

**Label Holder, S. & W. Co.'s Permanent.** This Label Holder is finished with an index card covered with mica, making it absolutely rust-proof, finished in iron, galvanized and japanned green. Stake 24 inches high. No. 10 card, 2¾ x 1½ inches, 25 cts. each; No. 11 card, 3 x 2 inches, 30 cts. each.

**Label Pencils.** Permanent writing on wooden labels. 15 cts. each, \$1.50 per doz. **X-L-All Indelible.** 25 cts. each, \$2.50 per doz.

**Melon Nets** used in greenhouses as a support for forcing melons. Made very strong and durable. \$2.25 per dozen, \$17 per 100.

### Paper—

Wax. 24 x 36. Ream. \$4.00 | Manila. 24 x 36. Ream. \$4.00  
18 x 24. Ream. 3.00 | Wrapping. 40 x 48. Lb. 14  
Tissue. 24 x 36. Ream. 2.50

**Plant Sprinkler, Scollay.** Made of best rubber; straight neck. \$1.50.

**S. & W. Co.'s Plant Sprinkler.** Best rubber; straight neck. 90 cts. each; angle neck \$1.10.

**Post-Hole Digger.** Ease of operation and superior and rapid work are features of this new Digger; more than two hundred holes a day can be dug with it. **Samson**, 56 inches, \$6. **Rapid**, 59 inches, ash handle, \$5.

**Raffia, Natural.** For tying plants. Lb. 50 cts., 5 lbs. \$2.

**Scythe Stones, Genuine English.** Round, tapering. 60 cts. each.

**Scissors, Grape-thinning, \$2; Flower-gathering, \$3.**

**Shears, Pruning, S. & W. Co.'s Solid Steel.** Made for long service; easily adjusted. 8-in. \$3.25; 9-in. \$3.50; 10-in. \$3.75.

**Pruning, "Sawco."** 9-in. \$1.50.

**Pruning, French.** 8-in. \$2.25; 9-in. \$2.75.

**Kunde.** Solid steel. It is very durable. \$5.

**Pruning, Wiss.** A very satisfactory Shear, tempered to cut continuously without dulling; has detachable blade. 9-in. \$4; 10-in. \$4.50.

**Pruning, Lady's Nickel-plated.** 6-in. \$2.50.

## Plant Stakes and Supports

### Plant, Tapering, Green—

Doz.	100	Doz.	100
1½ feet. \$0.35	\$2.25	3½ feet. \$1.50	\$9.20
2 feet. 60	4.00	4 feet. 1.60	11.00
2½ feet. 80	5.20	5 feet. 2.10	14.50
3 feet. 110	7.25		

**Carnation Supports.** Model Extension, 2-ring, \$1.10 per doz., \$7.50 per 100; 3-ring, \$1.35 per doz., \$8.50 per 100.

**Chinese Tonkin Cane.** These are Chinese canes, very strong and heavy. 2, 3 and 4-ft., ¼ to ½-in. diam; 5, 6 and 7-ft., ¾-in. diameter.

Doz.	100	1,000	Doz.	100	1,000
2 feet. \$0.25	\$1.50	\$10.00	5 feet. \$0.75	\$5.50	\$45.00
3 feet. 35	2.00	17.00	6 feet. 1.00	6.50	55.00
4 feet. 50	3.75	33.00	7 feet. 1.20	7.50	65.00

### Japanese Bamboo Canes. Dyed green.

Doz.	100	1,000	Doz.	100	1,000
1½ feet. \$0.15	\$0.45	\$3.60	3½ feet. \$0.35	\$1.40	\$11.00
2 feet. 20	.85	6.80	4 feet. .40	1.50	12.00
2½ feet. 25	1.00	8.00	5 feet. .45	1.80	14.50
3 feet. 30	1.20	10.00			

### Japanese Cane. For staking plants and trees.

Doz.	100	1,000	Doz.	100
6 feet. \$0.35	\$2.00	\$17.50	10 feet. \$1.20	\$7.00
8 feet. 80	4.50	40.00	20 feet. 5.00	35.00

### Dahlia Poles, Tapering—

Doz.	100	Doz.	100
3 feet. \$1.80	\$11.50	4 feet. \$2.25	\$15.50
3½ feet. 2.00	13.50	5 feet. 2.75	19.50
		6 feet. 3.50	24.50

**Special Dahlia Poles.** Solid ash; ¾-inch thick; non-tapering; painted green.

Doz.	100	Doz.	100
5 feet. \$2.00	\$14.00	6 feet. \$2.75	\$18.00

### Galvanized Wire—

100	1,000	100	1,000
3 feet. \$2.50	\$22.00	4½ feet. \$3.50	\$33.00
3½ feet. 2.75	26.00	5 feet. 4.00	37.00
4 feet. 3.30	30.00	6 feet. 5.00	45.00

## Twines

**S. & W. Co.'s Smilax Thread.** This Thread is very strong, green in color and warranted not to fade. Best Thread on the market. 35 cts. per spool, \$2.25 per 8 spools, \$6 per box of 24 spools.

**Silkline.** Very largely used for tying. Three sizes, F, fine; FF, medium; and FFF, coarse. 40 cts. per spool, \$3 per box of 8 spools.

**Bouquet Twine.** White. 3-oz. balls 20 cts. each, \$1 per lb., \$4.50 for 5 lbs.

**Sea Island Cotton.** Green. Ball, 20 cts.; box of 8 balls, \$1.50.

**Twine, Soft.** For tying vines, etc.; very strong, 2 and 3-ply. Ball 25 cts., 3 balls 60 cts., 12 balls \$2.25.

**Tarred Yarn.** Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

**Wire, Bouquet, Florists' Annealed.** Nos. 22 and 24. In coils of 12 lbs., \$4 per coil.

**Florists' Bright.** Cut in lengths. In boxes of 12 lbs. (one stone), 12 in. and 18 in. long. No. 22, \$2.75; No. 24, \$3.25.

## Watering Pots

Heavy galvanized iron, reinforced; made well and substantially. Each pot has a long spout, with one fine and one coarse rose.

### Round Pattern.

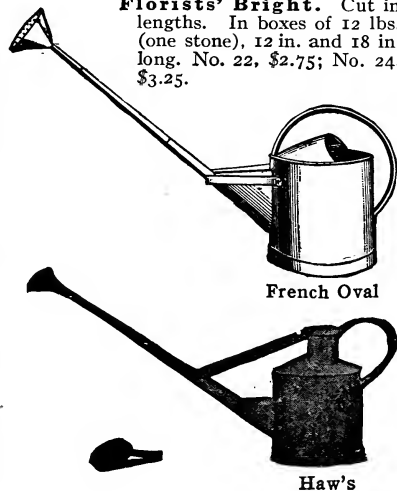
6-quart. \$5.50  
8-quart. 6.00  
10-quart. 6.25  
12-quart. 6.75

### Haw's Pattern.

2-quart. \$5.00  
3-quart. 6.00  
4-quart. 6.50  
6-quart. 7.00  
8-quart. 8.00

### French Oval Pattern.

6-quart. \$6.25  
8-quart. 6.50  
10-quart. 7.00  
12-quart. 7.75



French Oval

Haw's

# Sprayers for Applying Insecticides and Fungicides

PRICES SUBJECT TO MARKET CHANGES



## AUTO-SPRAY

**No. 100 Auto-Spray** is made of extra-heavy metal to hold up under a pressure of 100 pounds; the pump is of small bore, so that this pressure can be pumped with little exertion. Handles and collar are very heavy brass, and the strap is adjustable and of the best of material. It is double riveted and specially soldered and tested carefully. The large capacity, extra-high pressure, extra strength, and beautiful appearance make it a super Auto Spray, and, as the name implies, is 100 per cent.

Tank made of galvanized steel or brass. High-grade hose. Castings for handle, etc., all malleable. No continuous pumping as in the case of the Knapsack Sprayer, nor continuous pumping or slopping as in the case of the bucket pump. A few strokes of plunger compresses enough air to cover a quarter acre of potatoes or similar crop. Extension pipes useful for spraying tall trees. Detailed descriptive circular on request.

Auto-Spray No. 100B.	
Brass Tank, with Auto-Pop nozzle and one 2-ft. extension rod.....	\$10 50
Auto-Spray No. 100D.	
Galvanized Tank, with Auto-Pop nozzle and one 2-foot Extension Rod....	7 25
Two-row Attachments for spraying two rows at one passing.....	1 50
2-foot Brass Extension Pipe.....	60
Brass Elbows for spraying under vines.....	35
Torch.....	1 50
Brass Strainer for straining solution.....	1 20
Auto-Spray Nozzle.....	60

## No. 50 Auto-Spray

This sturdy little machine is almost identical to Auto-Spray No. 100 in construction and manipulation, but has one-half the capacity, holding about 2½ gallons.

<b>No. 50B.</b> Brass Tank with Auto-Pop Nozzle.....	\$8 00
<b>No. 50D.</b> Galvanized Tank with Auto-Pop Nozzle.....	5 40

## S. & W. BUCKET SPRAY PUMP

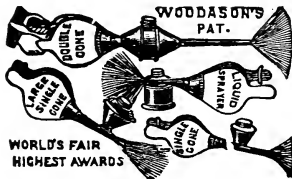
The S. & W. Spray Pump is a saving in the cost of small hand sprayers. It is a quality Sprayer. This Pump is made of heavy seamless brass tubing, with a large brass air-chamber; it has brass ball valves, is double-acting and will produce a continuous spray or stream. A bordeaux nozzle, with 3 feet of ½-inch spray hose, is furnished. The nozzle can be regulated to throw a very fine, medium, or coarse spray. We recommend this Sprayer as the best cheap hand Sprayer for applying whitewash, cold-water paint, and disinfectants. When ordering Sprayer to be sent by parcel post, allow 10 lbs. for the packed weight of Sprayer. Price, \$6.50.

Extra ½-inch hose, seven-ply, of good quality, is furnished at 30 cts. per foot.  
Extra couplings, 50 cts. per set.



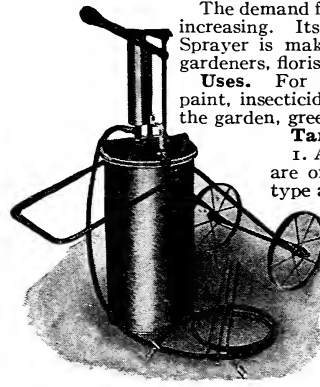
## Bellows, Woodason's

Powder, small size.....	\$3 50
Powder, large size.....	4 75
Liquid, small size.....	4 25
Liquid, large size.....	4 75
<b>Double-Cone Powder Bellows.</b> For dusting plant with dry powders for insects and fungus.	\$7.25.



## S. & W. Co.'s Paragon Sprayer No. 3

CAPACITY 12 GALLONS



The demand for this portable Sprayer is rapidly increasing. Its efficiency as a general-purpose Sprayer is making it popular with hundreds of gardeners, florists, and poultrymen.

**Uses.** For handling whitewash, cold-water paint, insecticides, fungicides, and all solutions in the garden, greenhouse, or poultry plant.

**Tank.** Heavy galvanized steel.

1. All the valves used in the Paragon are of the latest approved self-seating type and are made of solid brass.

2. The air-chamber of the Paragon is of all brass and of sufficient capacity to insure a steady spray of high pressure when the pump is operated at a moderate speed.

3. The Paragon pump cylinder is cast of special metal. It is accurately machined, and will outwear several ordinary pump cylinders.

4. The Paragon containers are made up of heavy black iron, then heavily galvanized after being completely assembled. This method insures no raw edges and tight joints.

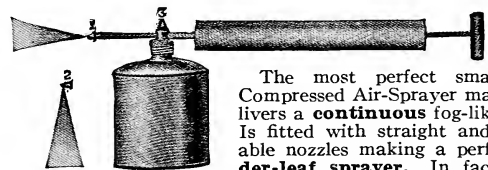
5. The Paragon agitator is of galvanized iron, positive in action, keeping the solution thoroughly mixed.

6. The circular strainer on the end of the suction pipe contains 16 square inches of strainer surface and is automatically cleaned by the all-metal agitator at each stroke of the pump. This combination insures the non-clogging of the Paragon and is the greatest improvement made in spray pumps.

Mounted on truck with two 12-inch wheels. Price, \$25. Without Truck, \$21.50.

**Equipment:** 10 feet Special Spray Hose, 7½ feet Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray. A single wheel truck with 16-inch wheel will be furnished with the No. 3 Sprayer when desired.

## S. & W. Co.'s Compressed Air-Sprayer



The most perfect small hand Compressed Air-Sprayer made. Delivers a **continuous** fog-like spray. Is fitted with straight and adjustable nozzles making a perfect **under-leaf sprayer**. In fact, spray can be delivered at **any angle** or position desired. Holds 1 quart. Weight 2 lbs. Made in solid sheet brass, highly polished, \$2.25. Galvanized, \$1.25. Tin, 85 cts.

## S. & W. Co.'s Double-Barrel Dust Gun



A simple device for applying dry powder insecticides and fungicides without waste and with the least possible effort. It blows the powder onto the plants. Insecticides which may be applied economically with this Dust Gun include Hortex, tobacco dust, Bug Death, Hellebore, Paris green, arsenate of lead, etc.; fungicides which may be used with it are Semesan, Bordeaux powder, Grape Dust, powdered sulphur, etc. Price 75 cts.



# REMEDIES FOR INSECTS AND FUNGUS

NOTE.—Insecticides marked \* can be sent by Parcel Post at purchaser's expense. Consult your local post office for rate from New York

ALL PRICES SUBJECT TO MARKET CHANGES

## Antrol

The National Ant Control



For controlling Argentine and species of house ants commonly known as "honeydew-loving ants."

Antrol containers offer you three distinct advantages over ordinary methods. First, Antrol is safe to use around children or pets; second, this modern system kills the queen ant and thus destroys the entire ant colony; and third, the Antrol method is in accordance with the methods adopted by the U. S. Government.

Ants immediately smell the Antrol Syrup in the jars and eat it as food. They climb into the jars through the openings provided for that purpose in the top of the containers, and down the tiny bits of excelsior



which operate as "ladders" into the syrup. The ants then carry this syrup, which is mildly poisonous, back to the ant nest, and in this way transmit it to the queen ants and their entire colony. Soon the entire ant colony is destroyed and your home is free from the ravages of these annoying pests.

Antrol Cottage Sets (containing 9 jars and 6-oz. Bottle of Syrup).....\$1 90  
Extra Jars.....20  
Pint Bottles of Syrup.....1 00  
Gallon Cans of Syrup.....4 00

**Arsenate of Lead, Powder.** Better than Paris green, does not burn the foliage, goes twice as far, and is easier to handle. Dilute 1 pound to 50 gallons of water.  $\frac{1}{2}$  lb. 25 cts., lb. 50 cts., 5 lbs. \$2, 10 lbs. \$3.50, 25 lbs. \$8, 100 lbs. \$24.

**Bentley's Mildew Specific No. 1.** Non-poisonous. For use under glass. Recommended very highly for roses, chrysanthemums, cucumbers, melons, tomatoes, etc., affected by mildew and aphids. Free from disfiguring effects of sulphur; uninjurious to paint.  $\frac{1}{2}$  gal. \$6, gal. \$10.

**Bichloride of Mercury** (Corrosive sublimate). Poison. Occasionally recommended for killing earthworms in lawns. Lb. \$3.50. Special quotations on quantity.

**Black-Leaf 40.** A concentrated solution of nicotine sulphate; an excellent spray for aphids and sucking insects of all kinds. Dilute one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. 1-oz. bottle 35 cts.,  $\frac{1}{2}$ -lb. tin \$1.25, 2 lbs. \$3.25, 10 lbs. \$11.85.

**Bordeaux Mixture, Dry Powder.** The recognized fungicide for the control of most fungous diseases of fruits and ground crops. Dilute 4 to 4 $\frac{1}{2}$  pounds to 50 gallons of water.  $\frac{1}{2}$  lb. 25 cts., lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5.75, 50 lbs. \$10, 100 lbs. \$18.

**Bordo-Lead, Dry Powder.** Insecticide and fungicide consisting of arsenate of lead and Bordeaux Mixture in dry form. It has sufficient arsenate of lead to kill chewing insects and sufficient Bordeaux Mixture to control most fungous diseases, blight, rot, and mildew.  $\frac{1}{2}$  lb. 25c., lb. 50c., 5 lbs. \$2, 10 lbs. \$3.50, 25 lbs. \$8, 100 lbs. \$24.

**Bug Death.** A powder for killing caterpillars, cutworms, slugs, etc. Very effective, but harmless to the user. Lb. 20 cts., 3 lbs. 45 cts., 5 lbs. 75 cts., 12 $\frac{1}{2}$  lbs. \$1.50, 100 lbs. \$9.

**Carbola.** A combined disinfectant and paint or whitewash for stables, barns and kennels. Kills lice, mites, fly-eggs, etc., and is a preventive of contagious disease. One pound of Carbola is mixed with one gallon of water and will cover approximately 250 square feet of surface. 5 lbs. 75 cts., 10 lbs. \$1.25, 20 lbs. \$2.50, 50 lbs. \$5.

**Carbolineum.** For hen-houses and stables. Destroys insects and harmful bacteria; removes objectionable odors. Gal. \$1.50, 5 gals. \$7.

**Carbon Bisulphide** (Ant Destroyer). Poisonous and explosive. Keep away from all flames and your nose. For ants in walks, pour a little Bisulphide on each nest; in lawns and gardens, insert the Stumpp & Walter Funnel and Skewer at intervals of 10 inches and pour a tablespoonful in each hole. Can 75 cts. Funnel and Skewer for using Carbon Bisulphide, \$2.50.

**Copper Solution, Ammoniated.** A fungicide similar to Bordeaux Mixture; the essential ingredient, carbonate of copper, being dissolved in ammonia in this, while in Bordeaux it is counteracted by lime. For late sprayings, when fruits are nearing maturity, or plants in bloom, copper solutions are usually used. Qt. \$1.25, gal. \$4.

**Copper Sulphate** (Bluestone). An ingredient in home-made Bordeaux Mixture. Also used alone for spraying. Lb. 15 cts., 5 lbs. 65 cts., 10 lbs. \$1.20, 25 lbs. \$2.75, 100 lbs. \$10.

**Cyanegg.** Generates the deadly hydrocyanic acid gas, for killing white fly, etc. Lb. 60 cts., 5 lbs. \$2.50.

**Cyanogas.** (A) **Dust.** For outside use in killing rats, moles, woodchucks, gophers, and ground squirrels. Also for white grubs and grayfish in lawns. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$30.

**Cyanogas.** (G) **Dust.** For greenhouse, mushroom, and soil fumigation. Scatter over the greenhouse walks and close the house for the night. Generates deadly hydrocyanic acid gas which is very effective in controlling aphids, thrips, white fly, and soft scale. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$30.

**Derrisol.** A non-poisonous, odorless, contact insecticide for controlling all sucking insects and some leaf-eating larvae at the same time. It has its own spreading agent. Easy to mix and will not stain. Oz. 35 cts.,  $\frac{1}{2}$  lb. \$1.20, lb. \$2, 2 lbs. \$3, 10 lbs. \$12.

**Fish-Oil Soap.** For mild forms of scale; is an excellent summer spray, when something stronger cannot be used, where the San José scale exists. It is good for washing off lemon trees, oleanders and almost anything that would be infested with a soft-shelled or in fact almost any kind of insect. Lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2, 25 lbs. \$4, 100 lbs. \$13.

**Formaldehyde.** Used for destroying disease germs that affect animal and plant life; also as a preventive for potato scab, onion and grain smuts. A pound to 15 gallons of water. A gallon of solution to a bushel of seed is required for treatment. Sold in 1-lb. (1 pint) bottles, 50 cts. each; 60-lb. keg, \$18.

**Fungicide** (Zenke's). A remarkably effective remedy for mildews, blights, and other fungous diseases.  $\frac{1}{2}$  pt. 35 cts., pt. 60 cts., qt. \$1,  $\frac{1}{2}$  gal. \$1.75, gal. \$3.

**\*Grape Dust.** For mold, mildew, or rust-mites, either in the green-houses or open air. 5 lbs. 85 cts., 10 lbs. \$1.60, 25 lbs. \$3.75.

**Hellebore, Powdered.** Good for exterminating currant worms.  $\frac{1}{2}$  lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

**Hortex.** A superior sulphur-arsenate-nicotine dust testing 2 per cent pure nicotine. This all-in-one mixture is used for the control of many fungous diseases, chewing insects, and sucking insects. Used as a dust it cannot be surpassed for general garden use. Lb. can 50 cts., 5-lb. can \$2, 10-lb. can \$3.50.

**Kayso.** A combined casein spreader and adhesive. Its use keeps spray from washing off and reduces arsenical injury. Kayso makes all spray solutions more effective. Use 1 tablespoonful Kayso to 5 gallons of solution or 1 $\frac{1}{2}$  pounds to 200 gallons. 8-oz. can 30 cts., 2 lbs. 80 cts., 100 lbs. \$30.

**Kerosene Miscible Oil.** Mixes easily, has great killing power, and is especially valuable against all soft-bodied insects. Can be used on practically all insects for which nicotine is employed. For woolly aphids on apple and thorn it is much more effective than nicotine. Contains 80 per cent kerosene. Dilute 1 part of Oil to 16 parts of water; tender plants 1 part to 36 parts of water. Pt. 50 cts., qt. 90 cts., gal. \$2, 5 gals. \$9, 50 gals. \$55.

**Lemon Oil.** Odorless and poisonless; dilute 1 to 30 to 50 parts of water. Destroys mealy bug, scale, thrips, red spider, black and green fly, caterpillar, etc.  $\frac{1}{2}$  pt. 45 cts., pt. 75 cts., qt. \$1.25,  $\frac{1}{2}$  gal. \$2.25, gal. \$3.75.

**Lime-Sulphur, Bowker's Concentrated.** For destroying San José scale. One gallon makes ten gallons of spray; dilute with cold water. Qt. 50 cts., 1-gal. can \$1.25, 5-gal. can \$4, half-barrel (about 25 gals.) \$10.50, barrel (50 gals.) \$15.

**Lime-Sulphur, Dry.** A very effective dormant spray for fruit and shade trees. Lb. 40 cts., 5 lbs. \$1.75, 10 lbs. \$3.25, 25 lbs. \$6.

**Mag-o-Tite.** Insures a good crop of radishes, kale, cabbage, onions, turnips, cauliflower, etc. You can now sow any of these crops and be certain of protection against the destructive root maggot, earthworm and other pests. **Quantity required:** A 2-lb. package will cover about 300 feet of drill, mixed with the soil at planting-time, with an occasional top dusting as a preventive during the growing period. For field culture the approximate quantity required is from 300 to 500 lbs. per acre. 2-lb. pkg. 40 cts., 4-lb. pkg. 70 cts., 8-lb. pkg. \$1.25.

**Mo Lo.** Clears a lawn of moles and field-mice in a few nights. Punch a hole in the top of the run, drop in one pellet and cover lightly; repeat every 8 feet. Mo Lo is poisonous—wear gloves. Pkg. 25 cts.

**Mowrah Meal.** The basic material of many dry powder earthworm eradicators. 100 lbs. \$4.50, 500 lbs. \$16, ton \$55.

# REMEDIES FOR INSECTS AND FUNGUS

NOTE.—Insecticides marked \* can be sent by Parcel Post at purchaser's expense. Consult your local post office for rates from New York

ALL PRICES SUBJECT TO MARKET CHANGES

**Nico-Fume Liquid.** This preparation is a free nicotine preparation, and is used by many of the leading growers.  $\frac{1}{4}$ -lb. can 75 cts., 1-lb. can \$2, 4-lb. can ( $\frac{1}{2}$  gal.) \$7, 8 lbs. (1 gal.) \$13.

\***Nico-Fume Paper.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. It is also used for tying near blooms of chrysanthemums in early fall to keep down insects. Preferred by many who do not wish to spray or vaporize. Box of 24 sheets, \$1.25, box of 144 sheets \$5.25, box of 288 sheets \$9.50.

**Nico-Fume Tobacco Powder.** For fumigating the greenhouse and conservatory. Lb. \$1, 5 lbs. \$4, 10 lbs. \$7.50.

**Para-Dichlorobenzene.** Highly recommended for destroying the peach borers in trees four years and older. During September a ring of the crystals is placed on the soil around the trunk and covered by mounding the earth against the tree. One ounce is sufficient for each tree. Lb. 75 cts., 5 lbs. \$2.75, 10 lbs. \$5

**Paris Green.**  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 30c., 1 lb. 55c., 5 lbs. \$2.50, 14 lbs. \$5.

**Pyrox (Bowker's).** The one best and safest all-round spray which kills all leaf-eating insects and prevents blight and all fungus troubles, without injury, on fruit trees, grape-vines, currant bushes, potatoes, cantaloupes, cucumbers, and other garden vegetables, also on rose bushes, shrubbery, etc. It is a creamy paste which looks like paint and "sticks like paint." It needs only to be mixed with cold water and it is ready to apply. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3.15, 25 lbs. \$6.50, 50 lbs. \$11.25, 100 lbs. \$18, 300 lbs. \$51.

**Read's Electric Worm Eradicator.** (Liquid.) One gallon is diluted with from 200 to 250 parts of water, and the turf thoroughly drenched with the diluted liquid. Four gallons of concentrated material is the average allowance per putting-green. 5 gals. \$17.50, 10 gals. \$34, 50 gals. \$150.

**New Sprinkling Cart, Read's.** Consists of a 50-gallon barrel, mounted on wheels and with a 6-foot sprinkling boom, complete with glass measure and storage bottles. \$50.

**Scalecide.** Used for the destruction of the San José scale. Dilute at the rate of one gallon to twenty gallons of water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Trees may be sprayed in winter and early spring before they start to come to bud. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.25, 10 gals. \$10.60, 15 gals. \$13.50, 30-gal. bbl. \$26, 50-gal. bbl. \$36.50.

**Semesan.** A Mercuric Disinfectant. As a remedy for the malignant grass disease called "Brown Patch," Semesan has been successful, spectacularly so, and is now used throughout the country, both to prevent and cure attacks of this parasite on golf-courses, turf tennis-courts, baseball diamonds, and estate lawns. 2 ozs. 50 cts.,  $\frac{1}{2}$  lb. \$1.60, lb. \$2.75, 5 lbs. \$13, 25 lbs. \$62.50, 50 lbs. \$122.50.

**Semesan, Jr.** An equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root, and stalk rots. 4 ozs. 60 cts., lb. \$1.75, 5 lbs. \$8, 25 lbs. \$37.50.

**Semesan Bel.** Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel will prevent or control the common seed-borne potato diseases. 1 lb. \$1.75, 5 lbs. \$8, 25 lbs. \$37.50.

**Shoo Fly.** Sprayed or swabbed onto horses and cattle in the morning, will keep flies off them during the day. Qt. 50 cts., gal. \$1.35.

\***Slug-Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the garden. Lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.20, 125-lb. keg \$12.50.

**Snarol.** For control of cutworms, snails, slugs, etc. Non-injurious to vegetation and very economical to use because of its insolubility in water, thereby rendering it effective for one to three weeks. Lb. 50 cts., 3 lbs. \$1, 15 lbs. \$3.75, 50 lbs. \$11.50.

**Solomia.** A powerful insecticide and fungicide for spraying. A scientific preparation for the destruction of insect pests of all kinds. Is non-poisonous and harmless to all but insect life. It can be sprayed on crops, fruit, flowers or grass without causing them the slightest harm. Qt. \$1.50, gal. \$4.50.

**Styptic.** To prevent bleeding of vines after pruning. Bottle \$2.

**Sulfocide.** An efficient summer spray for the control of scab and black rot on fruit trees. Excellent for mildew and black rot of roses and for similar fungous troubles of other plants. For general use, dilute one gallon to 200 gallons of water. Pt. 70 cts., qt. can \$1, gal. can \$2.75, 5-gal. can \$8.75, 10-gal. can \$15, 30-gal. bbl. \$39, 50-gal. bbl. \$60.

\***Sulphur.** Used principally in greenhouse for checking mildew. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.60, 100 lbs. \$12.

**Sulpho-Tobacco Soap.** A combination of tobacco extract and sulphur, excellent for washing and spraying plants; dissolve in warm water. 3-oz. pkg. 15 cts., 8-oz. pkg. 25 cts., 10-lb. pkg. \$3.

**Sulphur Candles.** For fumigating the conservatory and greenhouse; also the sick-room. 15 cts. each, \$1.50 per doz.

**Thrip Juice (Hammond's).** Very effective against aphids, red spider, mealy bug, etc. Qt. \$1.50, gal. \$4.25.

\***Tobacco Dust (Kilmead).** The best of the Tobacco Dusts for dusting or fumigating. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

**Tobacco Stems.** Used for fumigating and under benches in greenhouses. Bale of 100 lbs. \$4.

\***Tree Tanglefoot.** A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Lb. 60 cts., 5-lb. can \$2.75, 10-lb. can \$5.25, 25 lbs. \$11.

**Tree Wound Paint.** Prevents decay. A residuum, penetrating, antiseptic paint that is not affected by heat, cold or moisture. Does not peel, crack or get brittle. Stops tree bleeding. Pt. 60 cts., qt. \$1, gal. \$3, 5 gals. \$12.

**Vermol.** Common earthworms or "angleworms" are a decided nuisance in lawns, turf courts, and putting-greens. The casts are unsightly, impair the playing qualities of greens and add greatly to the upkeep cost, as daily sweeping and rolling become necessary. To rid greens, courts or lawns of worms, apply Vermol evenly at the rate of one-half pound to the square yard, and flood the greens immediately. If possible, the application should be made on a warm, damp day, early in May. The worms will come to the surface and die. Sold in powder form. 25 lbs. \$2.25, 50 lbs. \$4, 100 lbs. \$6.50, 500 lbs. \$30, 1,000 lbs. \$57.50, ton, \$110.

**Volck.** A spray for scale insects, mealy bugs, white flies, red spiders, rust mites, and similar insects.  $\frac{1}{2}$  pt. 50 cts., pt. 75 cts., qt. \$1, gal. \$3, 5 gals. \$12, 14 gals. \$20, 28 gals. \$34.

**Wilson's O. K. Plant Spray.** For roses, chrysanthemums, evergreens, and all plants affected with scale or insects, under glass or outside. Recommended for rose bugs.  $\frac{1}{2}$  pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$12, 25-gal. bbl. \$50, 50-gal. bbl. \$90.

**X-L-ALL Liquid Insecticide.** Destroys mealy-bug, scale, thrip, red spider, green and black fly, caterpillars, blight and all insect pests in the garden; it is perfectly safe to use on tender plants. For the winter dressing of vines, figs, peaches and other fruit trees, it has been proved to be the safest and most valuable preparation in the market. Leaves the foliage bright and clean and much improved in appearance. Qt. \$2,  $\frac{1}{2}$  gal. \$3.75, gal. \$7.

**X-L-ALL Vaporizing Compound.** Used very extensively abroad for vaporizing. No. 1 (sufficient for 40,000 cubic feet) \$8; No. 2 (sufficient for 20,000 cubic feet) \$5; No. 3 (sufficient for 10,000 cubic feet) \$2.50.

**Zenoleum.** A coal-tar product that is a powerful disinfectant, deodorant and germ destroyer. For use in stables, poultry-houses, dog-kennels, etc.  $\frac{1}{2}$  pt. 35 cts., qt. 75 cts.,  $\frac{1}{2}$  gal. \$1.25, gal. \$2, 5 gals. \$9.50.

## Weed Killers

**Herbicide.** There is nothing more annoying to the well-kept home grounds than weeds constantly coming up in the roadways, paths and gutters. This weed killer may be applied by means of a sprinkling apparatus of any kind from the small sprinkling can to the large street-sprinkling wagon. It is harmless to stone, woodwork or shoes and is perfectly odorless. One thorough application will kill all weeds as well as the roots of the same. One gallon diluted 1 part to 40 parts of water is sufficient to cover 100 to 150 square yards of space. Qt.-can, 70 cts., gal.-can \$2, 5-gal. can \$8, 10-gal. can \$15, 30-gal. drum \$33, 50-gal. bbl. \$50.

**Non-Poisonous Weed Killer.** Kills weeds safely and economically. Harmless to humans and animals. Qt. 75 cts., gal. \$2, 5 gals. \$8, 50 gals. \$50.

\***Climax Lawn Sand.** A combination of carefully dried and finely ground chemicals. Destroys weeds in lawns.  $3\frac{1}{2}$ -lb. can 65 cts., 7-lb. can \$1.25, 14-lb. can \$2, 28-lb. pkg. \$3.75, 56-lb. pkg. \$7.25.

## Vaporizers

**Vaporizing Lamp, Defiance.** Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of nicotine preparations. 75 cts. each.

**X-L-ALL Vaporizing Lamp.** A lamp specially designed for vaporizing of X-L-All Compound. Small size, \$1.50; larger size, \$1.75.

## Hydrometers

For testing the specific gravity of lime-sulphur and other sprays. Price \$1.25 (postpaid \$1.40).

# FERTILIZERS, MANURES, SOIL INGREDIENTS

When cash accompanies your order for fertilizers listed below, in lots of 100 pounds or over, we prepay freight to your station if within 100 miles of New York, except where otherwise noted

There are two secrets of soil fertility: **The soil must be correct mechanically and right chemically.** Correct mechanically means that it should possess the proper framework—enough clay to form a 'body,' sufficient grit to allow moisture to seep downward during rainy weather and to encourage it to work upward during dry weather by capillary action, and some remains of dead plants or humus to act as a sponge to hold moisture ready for the plant-roots to absorb it. Right chemically means that the soil contains the proper plant-foods in a condition easy for the plant to feed upon and in sufficient quantity to afford uninterrupted growth. You can make almost any soil mechanically correct and chemically right by the proper use of some of the materials listed on this and the following page.

## Sawco Special Fertilizers and Plant Foods

### **SAWCO General Garden Fertilizer**

For vegetables, flowers, and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1,000 pounds to the acre, or 3 ounces to the square yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, dahlias, peonies, etc. The soil immediately around roses, shrubs, and trees may be whitened with General Garden Fertilizer and then raked. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5.50, 500 lbs. \$22, ton \$75.

**Mixed Fine and Coarse.** (For general use.) This grade is recommended for the garden and for lawns. It is quick to give results, yet the benefits are lasting. The standard food for roses; much used on hay and pasture fields. Use 1,500 pounds per acre or 5 ounces to the square yard, dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$19, ton \$65.

**BONE, VINEYARD.** These large particles of bone are much used for trees and vines. 100 lbs. \$5.50, 500 lbs. \$25, ton \$85.

A convenient substitute for stable manure on small areas. Consists of sheep-droppings that have been heated to a high temperature, expelling moisture and destroying weed seeds. Highly recommended for vegetables, flowers and lawns. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$5, 500 lbs. \$20, ton \$70.

### **SAWCO Sheep Manure**

ers and lawns. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$5, 500 lbs. \$20, ton \$70.

### **SAWCO Emerald Grass Fertilizer**

to 3 ounces to the square yard); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5.50, 500 lbs. \$22, ton \$75.

### **SAWCO Corn Fertilizer**

An excellent all-round dressing for this crop, with a well-balanced formula specially worked out for the requirements of corn. Apply ½ ton per acre (3 ounces to the square yard) before seeding and harrow in. Dust Corn Fertilizer between the rows during the summer and then hoe it into the soil; 5 pounds per 100 running feet may be allowed for this. 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.75, 50 lbs. \$2.75, 100 lbs. \$4.50, 500 lbs. \$18, ton \$65.

### **SAWCO Potato Fertilizer**

Unequaled for potatoes, and, in fact, all vegetables grown for their fleshy roots, such as beets, carrots, etc. Apply 1,000 pounds to the acre (3 ounces per square yard) when preparing the land; some growers mix thoroughly a handful with the soil immediately under each tuber when planting. During growth some Potato Fertilizer may be scattered on the soil between the rows and hoed in. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, ton \$70.

**SAWCO GARDEN AND TREE PLANT FOOD.** A highly concentrated balanced fertilizer for house plants, small gardens and shrubs. Ideal plant food for shade and ornamental trees. Full instructions for application on package. Lb. 35 cts., 5 lbs. \$1.25, 10 lbs. \$2.

## GENERAL LIST OF FERTILIZERS

**Adco.** A culture of bacteria associated with the breaking down of organic materials. Add it to garden rubbish, leaves and grass clippings to hasten decay and quickly produce manure. 25 lbs. \$2.25, 150 lbs. \$10.50.

**Aluminum Sulphate.** Makes soil acid, and for this purpose is much used in the culture of rhododendrons and similar plants. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$7.50.

**Ammono-Phos (Phosphate of Ammonia).** Applies nitrogen, and therefore stimulates leaf-growth; supplies also phosphoric acid. For lawns, vegetables, and flowers. Use from 250 to 750 pounds per acre or ¾ to 2½ ounces to the square yard. Employ only the smaller quantity on lawns, and then mix it with four times its bulk of soil or sand, otherwise it will scorch badly. 100 lbs. \$6.50, 500 lbs. \$27, ton \$100.

**Ashes, Canada Hardwood.** These furnish potash. One to two tons per acre may be harrowed into land in winter, early spring, or fall. May be broadcast between rows of corn, potatoes, beets, carrots, etc., at the rate of 10 pounds per 100 running feet. Bbl. (about 200 lbs.) \$5, ton \$40.

**Acid or Rock Phosphate.** Adds phosphoric acid and a small quantity of lime. From 750 to 1,500 pounds may be applied to an acre of plowed land, or it may be used as a top-dressing for lawns, golf fairways, etc. 100 lbs. \$2, ton \$27.50.

**Basic Slag.** A slow-acting fertilizer, the effect of which is spread over several seasons; contributes phosphoric acid and lime to the soil. As a winter and early spring dressing is excellent for hay and pasture fields, alfalfa, clovers, grain, etc., use 1,000 to 2,000 pounds per acre. 50 lbs. \$2, 100 lbs. \$3.75, 500 lbs. \$17, ton \$60.

**Blood, Dried.** Adds nitrogen and a small amount of phosphoric acid and lime; much used for greenhouse plants, carnations, roses, and the like. Acts quickly. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.25, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$100.

**Blood and Bone (Tankage).** Similar in general effect to bone-meal, yielding lime and phosphoric acid. Used largely by the greenhouse man, and is excellent for grapevines. Allow 3 ounces per square yard (1,000 pounds to the acre) and rake in. 100 lbs. \$4.50, 500 lbs. \$22.50, ton \$80.

**Cattle or Cow Manure, Shredded.** For all crops, especially those in hot, sandy soils. About 400 pounds of the concentrated material may be considered as equal in value to one ton of fresh cow-manure. Use from 1 to 3 tons to the acre; 6 to 20 ounces per square yard. 100 lbs. \$5.50, 500 lbs. \$20, ton \$70.

## GENERAL LIST OF FERTILIZERS

**Charcoal.** Sweetens and lightens sour and heavy soils; helps to dry out wet land. Frequently used for lawns on soils of this character. 50 lbs. \$2.50, 100 lbs. \$4.50, 500 lbs. \$20, ton \$65.

**Clay's Fertilizer.** Has a splendid reputation for flowers, vegetables, and fruit. Generations of gardeners have used it successfully for exhibition growing. Two to 4 ounces to the square yard, raked into the soil around the plants. 14 lbs. \$2.25, 28 lbs. \$4, 56 lbs. \$7, 112 lbs. \$12.

**Cottonseed Meal.** Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use  $\frac{3}{4}$  to  $1\frac{1}{2}$  tons per acre. 100 lbs. \$4.50, 500 lbs. \$20, ton \$65.

**Cow Manure.** From 25 to 40 tons per acre may be plowed under or may be used with advantage in the compost for top-dressing turf. In car lots only, \$7 per ton.

**Floranid (Urea).** The most highly concentrated nitrogenous fertilizer in commerce, contains 46 per cent of available nitrogen, and leaves no harmful residue in the soil. A quick-acting stimulant for lawns, vegetables, fruits, and flowers. Allow 2 ounces per square yard in the garden,  $\frac{1}{2}$  ounce per square yard on the lawn; in the latter case it must be mixed with four times its bulk of fine soil or sand. Lb. 50 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5.

**Gypsum or Land Plaster.** Widely used as a dusting for the manure pile to fix and hold nitrogen. When applied to land it furnishes lime without giving the soil an alkaline reaction. From one to three tons per acre may be given. 100 lbs. \$2.50, 500 lbs. \$10.

**Horse-Manure.** May be regarded almost as a necessity for all crops. We quote on car lots only (minimum car 40 tons). \$7 per ton, f.o.b. shipping point.

**Humus.** Furnishes but little plant-food; highly valuable, however, as a soil ingredient, improving its texture and increasing its water-holding properties. May be used freely. 100 lbs. will cover 80 square feet 1 inch deep. Shipped in bags, bag (100 lbs.) \$2.50, 5 bags (500 lbs.) \$10, 20 bags (1 ton) \$35, f.o.b. New York. In bulk in carload lots, minimum 20 tons, \$8 per ton, f.o.b. plant. We stock Humus in our New York store in boxes as follows: 10 lbs. 75 cts., 50 lbs. \$2, 100-lb. box \$3.50, 500 lbs. in boxes \$15, ton in boxes \$45.

**Lawn Sand, Climax.** Imported. A concentrated fertilizer used for killing certain weeds in lawns, especially chickweed and mouse-ear. Applied thickly to weed patches, or generally over the grass at the rate of 6 ounces to the square yard.  $3\frac{1}{2}$ -lb. can 65 cts., 7-lb. can \$1.25, 14-lb. can \$2, 28-lb. pkg. \$3.75, 56-lb. keg \$7.25.

**Lime, Agricultural Hydrated.** Corrects acid conditions of the soil, and at the same time is a plant-food; further, it liberates other foods in the soil. Binds loose soils and, curiously enough, opens heavy land. Quick acting. Use from 1 to 3 tons per acre; 6 to 18 ounces to the square yard. As a winter dressing to sweeten lawns, broadcast 1 ton to the acre or 6 ounces per square yard. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 100 lbs. \$2.75, 500 lbs. \$9.50, ton \$30.

**Limestone, Pulverized.** Slower to act than Hydrated Lime but the effect is felt over a longer period. Use from 2 to 4 tons per acre. 100 lbs. \$1.50, 500 lbs. \$6, ton. \$17.50. Specially favorable rates in carload lots.

**Muriate of Potash.** Excellent for potatoes, corn, grains, etc. Use from 350 to 750 pounds per acre. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 100 lbs. \$6.

**Mushroom Soil.** Stable manure and fine loam, which together have produced a crop of mushrooms and are partly rotted. Offered in car lots at \$5 per ton, purchaser paying freight from shipping point. Minimum car, 30 tons.

**Nitrate of Soda.** A plant stimulant. Adds nitrogen in a form which is immediately available to the plants. Forces a heavy, succulent growth in lettuce and similar leaf vegetables. Gives a jump to lawns, and, in fact, to all crops. Use it sparingly and with great care; not more than  $1\frac{1}{2}$  ounces per square yard, or 500 pounds to the acre, raked or harrowed in. Give at one-half this rate to lawns, but first mix with four times its bulk of fine soil or sand. As a liquid fertilizer one ounce may be dissolved in one gallon of water. Lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$25, ton \$80.

**Oyama Plant Food.** A Japanese fertilizer. For house plants, vegetables, and flowers. Consists of chemicals in crystal form which dissolve in water and are speedily available to the plant. Use in accordance with directions on the packages. House size 35 cts., postpaid 45 cts.; garden size \$1.20, postpaid \$1.35.

**Pulverized Poultry Manure.** An excellent fertilizer, rich in plant-food, for all garden crops, flowers, and lawns. Dig in 3 to 16 ounces per square yard, or  $\frac{1}{2}$  to  $2\frac{1}{2}$  tons to the acre. Mix freely with soil or sand when applying to lawns and then only use very little. 100 lbs. \$4.50, 500 lbs. \$17, ton \$60.

**Salt, Agricultural.** Occasionally used as a top-dressing for asparagus. Also effective as a weed-killer on roadways, paths, etc. 100 lbs. \$2.25, 500 lbs. \$10, ton \$35.

**Scotch Soot.** A valuable plant-food. On grass, or dusted around vegetables or on the plants themselves, it discourages caterpillars, slugs, grubs, wireworms, cutworms and earthworms. 112-lb. bag \$7, 5 bags \$30, ton \$100.

**Stim-U-Plant.** Fertilizer in tablets. These may be placed in the soil around plants, in flower pots, or dissolved in water for a liquid fertilizer. 30 tablets 25 cts., postpaid 30 cts.; 100 tablets 75 cts., postpaid 85 cts.; 1,000 tablets \$3.50, postpaid \$3.65.

**Sulphate of Ammonia.** A nitrogenous plant stimulant, very quick in action, tending to make soil acid. Increases leaf-growth. Much used on lawns, which it not only feeds, but weeds are discouraged; when top-dressing lawns apply 1 ounce per square yard or 350 pounds to the acre, but first mix with several times its bulk of soil or sand. Between rows of spinach, lettuce, cabbage, etc., 3 pounds to 100 running feet may be broadcast and hoed in. As a liquid stimulant dissolve 1 ounce in a gallon of water and apply to the roots of plants. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 50 lbs. \$4, 100 lbs. \$7.

**Tobacco Fertilizer.** For lawns, vegetables, and farm crops. In addition to its value as a fertilizer, it discourages many soil-pests, such as beetles, ants, cutworms and snails. A slow-acting fertilizer, rich in potash. Use from  $2\frac{1}{2}$  to  $3\frac{1}{2}$  tons per acre, 1 to  $1\frac{1}{2}$  lbs. to the square yard. 100 lbs. \$4, 500 lbs. \$17, ton \$60.

**Tobacco Stems.** Placed around the roots of roses and other plants; occasionally recommended as a dressing for grass over winter. Feeds the plants, protects against cold, retains moisture, deters insects. Use from  $2\frac{1}{2}$  to  $3\frac{1}{2}$  tons per acre; 1 to  $1\frac{1}{2}$  pounds to the square yard. 100 lbs. \$4, 500 lbs. \$16, ton \$50.

**Thomson's Special Flower, Vegetable and Vine Manure.** Imported. An excellent all-round fertilizer that is a great favorite with the private gardener. 14 lbs. \$1.75, 28 lbs. \$3, 56 lbs. \$5.50, 112 lbs. \$10.

### FARMOGERM

**Small Garden Unit.** A composite culture of the bacteria essential for the growth of Peas, Beans, and Sweet Peas. Unit 25 cts., postpaid 35 cts.

**Large Seed Units.** Culture of bacteria for Garden Peas, Beans, Sweet Peas, Peanuts, Vetches, and Field Peas.  $\frac{1}{4}$ -bus. size 35 cts., bus. 60 cts., 5-bus. size \$2.25. When ordering, state the crop for which Farmogerm is required.

**Clover Units.** Culture of bacteria necessary for the growth of Alfalfa and all Clovers. Sufficient to treat  $\frac{1}{4}$  bus. of seed 35 cts.,  $\frac{1}{2}$ -bus. size 60 cts., bus. size \$1,  $2\frac{1}{2}$ -bus. size \$2.25. Full directions for developing the bacteria and applying them to the seeds will be found on the package. When ordering state the clover for which Farmogerm is required.

### Leaf-Mould, Moss and Peat

**Leaf-Mould.** Used for preparing rhododendron beds and as an ingredient in potting soil. Bag \$2.50.

**Moss, Live Green Sphagnum.** Freshly gathered in season. For orchid-growing, for mulching pots and greenhouse benches, for dozens of other uses. Bag, \$4.

**Moss, Sheet, Natural Green.** For covering pots or tubs, for decorating the conservatory, rock-garden, etc. Bags (10 lbs.) \$5.

**Moss, Dry Sphagnum.** For wrapping around plant roots, orchid-growing, covering conservatory soil, etc. Large bale, \$4.

**"Sawco" Brand Granulated Peat Fibre.** This brand of Granulated Peat Fibre is excellent for mixing with the soil as a mulch for bulb- or rose-beds. It is also particularly good for growing bulbs indoors, there being nothing better, especially in the case of lilliums. Mix one-third to one-half of peat with the soil for this purpose. Use it on bulb-beds in the spring to keep the ground cool and on rose-beds during the summer for the same reason. We offer tightly compressed, burlapped, slatted, wire-bound bales, measuring 40 x 27 x 22 inches, weighing approximately 200 pounds, containing 8 to 9 bushels, or enough to cover 100 square feet to a depth of  $2\frac{1}{2}$  inches, at \$5 per bale; in lots of 5 bales, at \$4 per bale; in lots of 10 bales, at \$3.50 per bale. (Write for prices on carload lots.) Small Sample Bale (22 lbs.), \$1.50 each.

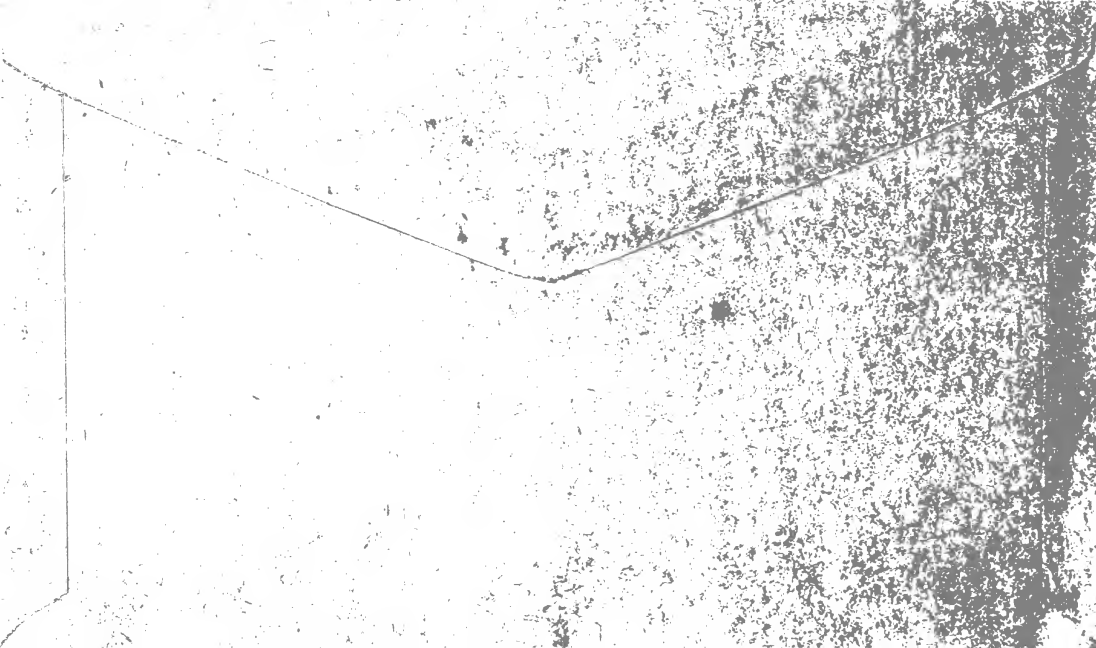
**Peat, Osmundi.** For orchid-growing. Bbl. \$5.

**Peat, Rotted Fibrous.** Excellent for mixing with soil for heaths and other plants. Well decayed. Bag \$2.50.



*Stumpp & Walter Co*  
*30-32 Barclay St.*  
*New York, N.Y.*

P. O. Box 165, City Hall Station.



## ***High Quality Bulbs, Seeds, Plants for Autumn Planting***

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**PLEASE BE SURE TO FILL IN YOUR NAME AND ADDRESS ABOVE**

# Insect and Rodent Repellent

Occasionally our patrons advise us that their bulbs are destroyed by the ravages of mice, particularly in the case of Tulips. This happens frequently in borders which are near woodland. Moles get into the borders or beds, leaving holes through which mice enter and devour the bulbs. The ravages of mice can be practically eliminated or minimized, provided the planter will not plant the bulbs too early. In this section of the country Tulip bulbs should not be planted until about Election Day; south of the Carolinas, about December 1. It should be remembered that Tulips immediately begin to make roots, provided the land is warm, and as soon as the roots are developed they have a tendency to make top-growth. More failures are due to *too* early planting rather than to faulty planting. Practically all other bulbs in our list are not affected by rodents. In the case of Tulips that are planted in the perennial border, and where the planter desires to give other plants protection, it is urged that this protection be given after the ground has frozen several inches, that is, defer covering your borders until hard frost has set in. By covering at this time you will keep the frost in, and, in almost every instance, keep the mice out.

It is advisable, however, as a further protection, to use what is perhaps the best insect and rodent-repellent there is, Semesan. This is a mercurial preparation which acts as a disinfectant as well as repellent to rodents or to any insects which might affect the plant during its period of growth in the spring. It is suggested that you use a 1 per cent liquid Semesan solution, that is, 1 ounce of Semesan to 1 gallon of water, soaking the bulbs for a period of 15 minutes before planting. Semesan is offered in this catalogue on the insecticide pages. 2 ozs. 50 cts.,  $\frac{1}{2}$  lb. \$1.60, lb. \$2.75, 5 lbs. \$13, 50 lbs. \$62.50, 100 lbs. \$122.50. (*Not mailable—sent by express only.*)

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## Material for Bulb Fertilization and for Building up Soil Structure

**SAWCO BULB FERTILIZER.** The professional gardener who plants bulbs in solid blocks in borders frequently, in early October, works well-rotted manure to the depth of 1 foot into the soil, spading it over several times so as to thoroughly incorporate it, and thereby build up the soil-fertility as well as the humus-content. The average home-owner finds it difficult to get this manure to build up his soil, and unless he is well experienced the use of well-rotted horse or cow manure is dangerous, as the preparation of the ground *must* be carefully done and the manure must be entirely decayed before any bulbs are planted.

To meet this situation, we suggest the use of a high-grade bulb fertilizer which contains, in proper analysis, the plant-food for the roots of the bulbs to feed on. We offer Sawco Bulb Fertilizer in the following quantities and suggest that it be broadcasted on the land and worked in with a spade several days before the planting of the bulbs, and that it be used at the rate of 5 pounds for 10 square feet of planting area. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, ton \$70.

**SAWCO BRAND GRANULATED PEAT FIBRE.** This brand of Granulated Peat Fibre is excellent for mixing with the soil as a mulch for bulb or rose-beds. It is also particularly good for growing bulbs indoors, there being nothing better, especially in the case of lilioms. Mix one-third to one-half of peat with the soil for this purpose. Use it on bulb-beds in the spring to keep the ground cool and on rose-beds during the summer for the same reason. We offer tightly compressed, burlapped, slatted, wire-bound bales, measuring 40 x 27 x 22 inches, weighing approximately 200 to 220 pounds, containing 8 to 9 bushels, or enough to cover 100 square feet to a depth of 2  $\frac{1}{2}$  inches, at \$5 per bale; in lots of 5 bales at \$4 per bale; in lots of 10 bales at \$3.50 per bale. (Write for prices on carload lots.) Small sample bale (size 22 pounds) \$1.50 each.



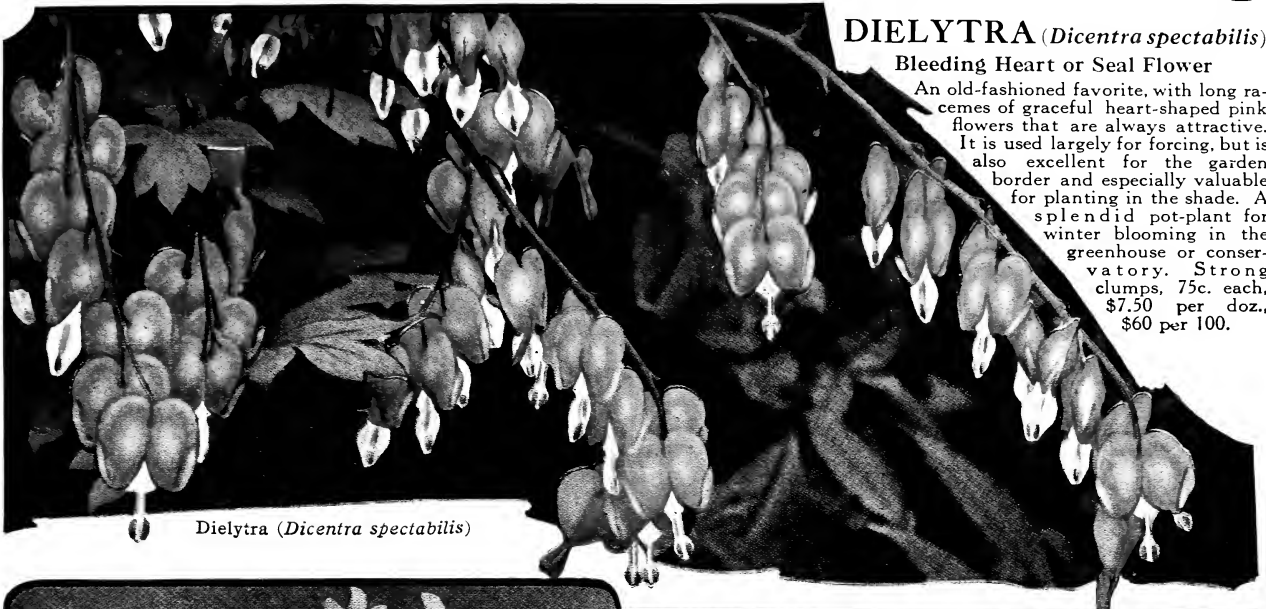
## STUMPP & WALTER COMPANY

30-32 Barclay Street

NEW YORK CITY



# Bulbs and Roots for Naturalizing

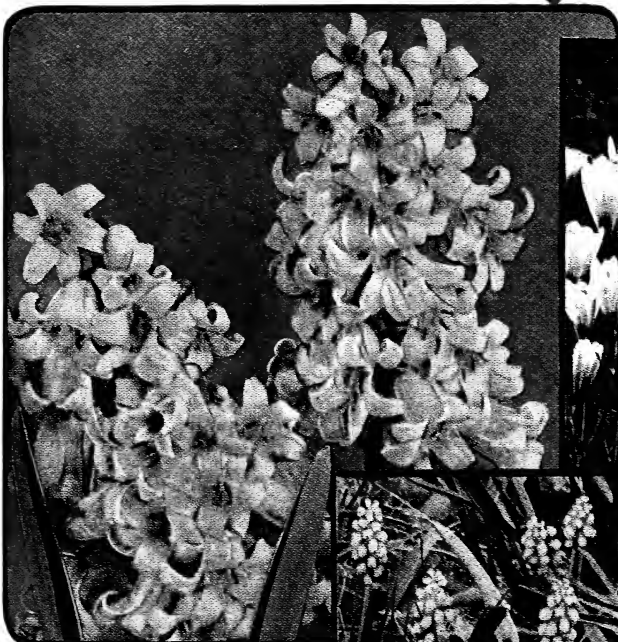


**DIELYTRA** (*Dicentra spectabilis*)

## Bleeding Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. It is used largely for forcing, but is also excellent for the garden border and especially valuable for planting in the shade. A splendid pot-plant for winter blooming in the greenhouse or conservatory. Strong clumps, 75c. each, \$7.50 per doz., \$60 per 100.

Dielytra (*Dicentra spectabilis*)



## SCILLA NUTANS

(English Bluebell)

The flowers of this lovely Scilla are similar to *S. campanulata*, but the spikes are not as tall and more arching in character. Visitors to the English countryside during daffodil time will remember this pretty flower which is a native of their woodlands and blooms the same time. 40 cts. per doz., \$3 per 100, \$25 per 1,000, \$225 per 10,000.



## GIANT CROCUSES

Six Giant-flowering Crocuses, splendid for lawn or foundation planting. Flowers are larger than ordinary Crocuses.

**Purpurea grandiflora.** Dark blue.  
**Kathleen Parlow.** White.  
**Mont Blanc.** White.  
**Julia Culp.** Purple.  
**La Majestueuse.** White striped purple.

**Yellow Mammoth.** Yellow.

40c. per doz., \$3 per 100, \$25 per 1,000



## GRAPE HYACINTHS

This beautiful bulbous plant is becoming quite as popular as the crocus for naturalizing, on account of its beautiful blue color. Blooms outdoors early in May. Splendid to plant among the Daffodils.

**Heavenly Blue.** The best blue variety. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

## ORDER SHEET

### High Quality Bulbs, Seeds, Plants for Autumn Planting

We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

# STUMPP & WALTER CO.

30 and 32 Barclay St., New York

Name \_\_\_\_\_

P. O. Box, Street  
or Rural Delivery \_\_\_\_\_

Post Office \_\_\_\_\_ State \_\_\_\_\_

Station or Express Office \_\_\_\_\_

Only if different from Post Office

Send by \_\_\_\_\_

State if wanted by Mail, Express or Freight

Superintendent or Gardener \_\_\_\_\_

That we may enter for Catalogues

Date \_\_\_\_\_ 1928

AMOUNT ENCLOSED

\$ \_\_\_\_\_

Fall seeding on your lawn will produce best results. Grasses will root deeper and you will have less trouble from weeds.

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PLEASE BE SURE TO FILL IN YOUR NAME AND ADDRESS ABOVE





## Stumpp & Walter Company's Giant Hybrid Amaryllis

**F**EW, if any, of the bulbous plants give the amateur greater pleasure for the window-garden than these giant-flowering Amaryllis that are so easily managed. Up to a few years ago, the finest varieties of these were exhibited at our New York Flower Show and were in the hands of just a few fanciers who procured their bulbs from a famous English collection. The United States Department of Agriculture, at Washington, has been improving on these strains for the past fifteen years, and our grower has been producing bulbs from a strain secured from the Government. One of the most glorious sights in March is several thousands of these magnificent pot plants in bloom in the Government greenhouses at Washington, D. C. Our strain of bulbs produces vigorous stems with from four to six blooms of the most perfect form, ranging in color from pure white grounds with varied markings of rose, red, and crimson, to the richest self colors, such as scarlet, crimson, bright red, cherry, and almost maroon. Pot up bulbs, as soon as received, in good garden loam, enriched with a handful of bone fertilizer; water well and store in a dark place in a temperature of 50 to 60 degrees for four weeks until well rooted, then bring to light. Put in a sunny window and give water regularly. Bulbs potted up during September and October may be had in bloom in March. After they are through blooming, the pots may be set outdoors, laying them on the side until the bulbs become dormant. They may be repotted the following fall.

**JUMBO BULBS**, suitable for 6-inch pots, \$1 each, \$10 per doz., \$75 per 100

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**STUMPP & WALTER CO.**  
**30-32 Barclay and 40 Vesey Streets · NEW YORK CITY**  
 BRANCH STORES: Baltimore, Md.; White Plains, N. Y.; Newark, N. J.